

LEFT LH

**AERO-ENGINES INC.**

Accessories      ENGINES      Manufacturing



3034 N. COOLIDGE AVE.  
LOS ANGELES, CA. 90039  
(213) 663-3961

FAA APPROVED REPAIR  
STATION NO. VL-2R244L  
FAX (213) 664-5189



*The Standard*

**ENGINE LOG**

**ASA-SE-2**



## Engine Record General Information

Manufacturer Pratt + Whitney Model R-985 AN-14B

Serial 42-121892 Type Certificate SE-1

This engine is currently installed in aircraft: G18S N727AV LH

Minimum Octane Fuel \_\_\_\_\_ Oil Grade Summer \_\_\_\_\_ Winter \_\_\_\_\_

Magneto Time \_\_\_\_\_ Point Setting \_\_\_\_\_ Firing Order \_\_\_\_\_

Spark Plug Gap \_\_\_\_\_

Manufacturer's Recommended Overhaul at 1600 hours



DATE

19

## CAUTION

**RUN THIS ENGINE WITH NON-DETERGENT OIL  
100-120 UNTIL RINGS COMPLETELY SEAT. NON-  
COMPLIANCE NULLIFIES WARRANTY.**

**AERO - ENGINES INC.**

**LOS ANGELES, CALIF. 90039**

THIES  
869

### AERO-ENGINES, INC. WARRANTY

Aero-Engines, Inc. warrants that any engine, component or accessory that is repaired, overhauled or reconditioned by us will be free from defects in workmanship and method of repair, reconditioning, or overhaul by us for a period of one hundred hours of operation or three months from the date of shipment, whichever occurs first.

However, Aero-Engines, Inc. is neither the designer nor manufacturer of the items that it services, and therefore no representation or warranty is made with respect to defects in design or manufacture of material that are unrelated to defects in workmanship or method of repair, reconditioning or overhaul.

Our obligation under this warranty, unless otherwise specified by us in writing, is limited to the repair or replacement of the engine, component, or accessory involved, or return of the purchase price, all at our option, provided the item is returned with transportation charges prepaid and is determined by us to be defective in workmanship or method of repair, reconditioning, or overhaul and specifically excludes any and all consequential damages.

This warranty is our sole and exclusive obligation, and is made in lieu of any and all other warranties, whether expressed or implied. Aero-Engines, Inc. shall not be liable for any incidental and/or consequential damages.

**AERO-ENGINES, INC. MAKES NO OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED, EXCEPT AS STATED HEREIN, AND SPECIFICALLY DISCLAIMS THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**







DATE 19 <u>98</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
Oct. 1			TIAC	15,180 0 smooth. (#1 Pos) Installed this Engine on Beech G-185 SN. BA 560 this Date Serviced with Aero Shell 50 Non-Det oil Pump check OK Amy A. Hurl A & P 2076776
<del>Sept</del> Sept 1-99			22 smooth. DIC 15202	Check Cars all even and $\frac{75}{80}$ or Better. Clean and drop all fuel + oil Service AD 78-08-09 OK Inp OK Servicer with 50W Aero Shell oil
				I Certify That This Aircraft Engine has been Inspected in Accordance To a <u>Annual</u> Inspection and was determined To be in an Airworthy Condition. Tack Time <u>22 smooth</u> Total Time <u>15202</u> A D's Checked Thru <u>99-105</u> Service Letter Thru <u>1798</u> A & P 2076226 CA

DATE  
19 98

4-4

200  
10-1



Operations  
Number of  
entries.)

Beech

0  
02

all

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
2002				
4-4			47 SM014 A/C. 15,227	<p>I Certify That This Aircraft Engine has been inspected in Accordance To a <u>Final</u> Inspection and was determined To be in an Airworthy Condition Tach Time <u>15,227</u> Total Time <u>47 SM014</u> A D's Checked Thru <u>2002</u> Service Log Thru <u>11/11</u> <u>[Signature]</u> A &amp; P 2076226</p>
2004				
10-16			52 SM014	<p>Compression Test Complete attached <u>[Signature]</u> AP249254</p>





# 210 AERO ENGINE COMPRESSION TEST

ENGINE MAKE AND MODEL

R 985 AN 1

DATE 16-Oct-2004

Position #1

OWNER Tony Quadrani

CYLINDER

ENGINE SERIAL #

42-121892

1 62 80

2 76 80

3 78 80

4 74 80

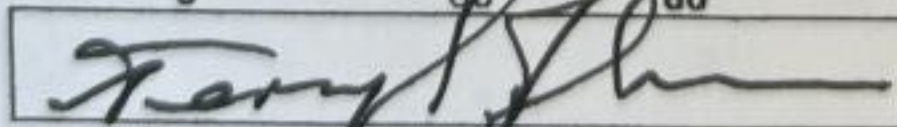
5 80 80

6 80 80

7 76 80

8 78 80

9 80 80



AP 2492542

Done Cold

TO FLI

RECORDING  
TACH  
TIME







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

N727AV

LT. ENG. SN: 42-121892

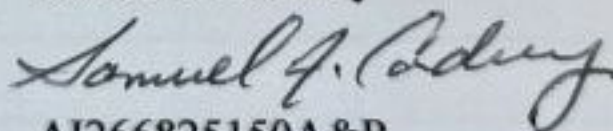
HOBBS: 37.5

SMOH: 62.5

DATE: 05/24/2006

PERFORMED ANNUAL INSPECTION IAW P/W MAINTENANCE MANUAL, ANNUAL CHECKLIST. DRAINED OIL FROM ENG. SUMP FOUND NO CONTAMINATION. REMOVED OIL SCREEN FOUND NO CONTAMINATION. RE-INSTALLED CAPS WITH NEW CRUSH GASKETS SAFTY WIRED. SERVICED ENGINE WITH 8.5 GALS. OF XC 20W-50 OIL. RECURRING AD56-06-02 CW PER P&W ALERT BULLITIN NO. 42. RECURRING AD57-05-04 DUE AT O/H 1600 HRS. RECURRING AD68-09-01 R1 DUE AT O/H 1600 HRS. RECURRING AD78-08-07 CW AT 15,237.5 TTAF. DUE AGAIN AT 15,337.5 HRS. TTAF. ALL PLUGS REMOVED, CLEANED, GAPPED, AND TESTED. ALL TEST NORMAL. COMPRESION TEST PERFORMED ALL CYL. 75 OR BETTER OVER 80. ALL PLUGS RE-INSTALLED. LUBED AND CHECKED ALL CONTROL CABLES. SET POINTS AND READJUSTED TIMING TO 25 DEG. BTDC. READJUSTED VALVE LASH TO P&W SPECS. .010 CLEARANCE. REPLACED LONG AND SHORT CARB. AIR TO HEAT MUFF FLEX HOSES. REMOVED LT. STARTER AND REPLACED WITH O/H UNIT DONE BY QUALITY AIRCRAFT ACC. S/N 1166 W/O#29677. REMOVED LT. GEN. AND REPLACED WITH O/H UNIT DONE BY QUALITY AIRCRAFT ACC. S/N R-4918V W/O# 29673. REMOVED LT. PROP. GOV. AND REPLACED WITH O/H UNIT DONE BY QUALITY AIRCRAFT ACC. S/N 2000775L4 W/O#32222. CHECKED ALL ACCESSORIES AND ENG. MTS. FOR CONDITION. RUN ENG. CHECKED ALL ENG. INSTRUMENTS ALL SHOW NORMAL OPERATION. NO DISCREPANCIES NOTED. I CERTIFY THAT THIS ENG./PROP. HAS BEEN INSPECTED IAW ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

Samuel J. Cordrey



AI266825150A&amp;P



DATE 19 _____	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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N727AV LT. ENG. SN: 42-121892 HOBBS: 43.0 TSMOH: 68.0 DATE: 07/20/2007

PERFORMED ANNUAL INSPECTION IAW P/W MAINTENANCE MANUAL, ANNUAL CHECKLIST. DRAINED OIL FROM ENG. SUMP FOUND NO CONTAMINATION. REMOVED OIL SCREEN FOUND NO CONTAMINATION. REINSTALLED CAPS WITH NEW CRUSH GASKETS AND SAFTY WIRED. SERVICED ENGINE WITH 8.5 GALS. OF XC 20W-50 OIL. PERFORMED COMPRESSION CHECK. #1-70/80 #2-60/80 #3-60/80 #4-76/80 #5-78/80 #6-80/80 #7-72/80 #8-76/80 #9-78/80. CLEAN, GAPPED & TESTED SPARK PLUGS AND REINSTALLED. MAG TIMING CHECKS GOOD. LUBED AND CHECKED ALL CONTROL CABLES. SEE BACK OF AIRCRAFT LOG BOOK FOR ALL ADS CW. GROUND RUN COMPLETED, ALL SYSTEMS OPERATE NORMAL. NO EVIDENCE OF LEAKS. I CERTIFY THAT THIS ENGINE / PROP HAVE BEEN INSPECTED IN ACCORDANCE WITH 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

Samuel J. Cordrey

*Samuel J. Cordrey*  
IA266825750A&P

AD2005-18-12 PROPELLER CORROSION INSP. NOT CW AT THIS TIME. AIRCRAFT REQUIRES FERRY PERMIT FOR FURTHER FLIGHT FOR MAINTENANCE.



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



ELITE AIR SERVICE



PH: 517 278-6516

143 E CHICAGO RD COLDWATER MI 49036

FAX: 517 279-2363

09/24/2010

R-985

HOBBS: 58.8

TSMO: 83.8

S/N 42-121892

- 1) Inspected aircraft per FAR 43 apx D Annual inspection.
- 2) Performed compression check as follows #1 78/80, #2 78/80, #3 77/80, #4 79/80, #5 79/80, #6 78/80, #7 77/80, #8 78/80, #9 77/80.
- 3) Performed oil change, drained oil and oil cooler inspected oil screen for contaminants none found, reinstalled screen and serviced engine with 25w60xc oil.
- 4) Drained carburetor bowl and inspected controls for proper operation.
- 5) Installed JPI fuel flow transducer with two new hoses per STC SA00432SE see 337 form for details.
- 6) Removed Hartzel propellers P/N HC-B3R30-2E and governor.
- 7) Installed HAM STD propeller P/N 22D30-359, HAM STD governor P/N 4B2P8, and hydromatic adapter P/N 92062 with all new hoses.
- 8) Researched AD's complied 78-08-07 cylinder head separation, 56-06-02 cylinder flange attaching stud see compliance logs for details.

*Monico Lopez*  
Monico Lopez AP366903174

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

*Monico Lopez*  
MONICO LOPEZ AP366903174A



DATE

19



ELITE AIR SERVICE



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tries.)

PH: 517 278-6516

143 E CHICAGO RD COLDWATER MI 49036

12/15/2011

HOBBS: 103.2

R985-14B

TSMO: 128.2

S/N 42-121892

Removed right engine from N727AV due to contaminates found in oil screen. Engine sent to Tulsa Aircraft Engines, Inc. for repairs.

*Monico Lopez*  
Monico Lopez AP366903174

Engine sent to T.A.E. due to oil starvation. Disassembled engine, found cam and cam drive gear seized. Master rod bearing starting to fail and crankshaft journal out of round. Cleaned and inspected blower and found O.K. Ultrasonic tested all cylinders, found O.K. Reassembled engine using serviceable cam, drive gear, reduction gear, & Brass oil pressure rings. New thrust bearing, reprocessed master rod bearing and reworked crankshaft. Reset valves, checked and retimed magnetos to engine. Ran engine on test cell 2.0 hours. Engine is approved to return to service.



DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
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### SERVICE BULLETINS

621 Imp. Balance \_\_\_\_\_  
 1546 M. R. Radius \_\_\_\_\_  
 1658 Plain Imp. Brg. \_\_\_\_\_  
 1693 Rocker Drain \_\_\_\_\_  
 1730 Heavy Wall P.P. \_\_\_\_\_  
 1767 Nose Case \_\_\_\_\_  
 Gen. Drive \_\_\_\_\_  
 Chrome Cyls. \_\_\_\_\_

### AD NOTES COMPLIED

56- 6-2 Cyl. Base Nuts \_\_\_\_\_  
 57- 5-4 C/S Rework \_\_\_\_\_  
 66-14-4 Gear 331098 \_\_\_\_\_  
 68- 9-1 C/S Liners **COMPLIED**  
 78-08-07 U.T. **COMPLIED**

### MANUFACTURER PRATT AND WHITNEY

MODEL R-985AN-14B SER. NO. 42-121892

This aircraft engine or component identified above was disassembled, inspected and repaired in accordance with Pratt & Whitney overhaul manual #123440 and current Regulations of the Federal Aviation Administration and is approved for return to service. Details of the repair are on file at this repair station under work order

NO. 5085 DATE 02/28/2012

SIGNED [Signature]

FAA Repair Station CT2R754K

Tulsa Aircraft Engines, Inc.

9311 E. 44th Street North

Tulsa, Oklahoma 74115

T.T. 4642.2 HOURS

T.S.M.O. 128.2 HOURS



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



PH: 517 278-6516

143 E CHICAGO RD COLDWATER MI 49036

FAX: 517 279-2363

04/23/2012

R-985

HOBBS: 105.1

TSMO: 130.1

S/N 42-121892

- 1) Reinstalled engine, propeller, and accessories. Replaced oil feed hose with new, replaced fuel pressure hose with new, replaced fuel return hose with new. Serviced engine with 25W60XC oil, and performed A run-up ops and leak checked, no defects noted at this time.
- 2) Inspected aircraft per FAR 43 apx D Annual inspection.
- 3) Performed compression check as follows #1 79/80, #2 78/80, #3 77/80, #4 77/80, #5 79/80, #6 77/80, #7 79/80, #8 78/80, #9 78/80.
- 4) Replaced cooling scat hose as required.
- 5) Drained carburetor bowl and inspected controls for proper operation.
- 6) Inspected installation of remote oil filter see 337 for details.
- 7) Researched AD's all AD notes complied with at this time, see compliance logs for details.

*Monico Lopez*  
Monico Lopez AP366903174

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

*Monico Lopez*  
MONICO LOPEZ AP366903174A



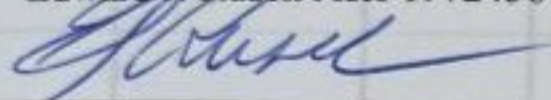
DATE 19 _____	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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05/29/2013

Hobbs 130.1

Inspected engine IAW FAR 43 App D and mfr's recommendations. Oil and filter not changed at this time. No contamination noted in oil sample. Compressions all 76+ over 80. Checked AD's through issue 2013-11. C/W AD78-08-07 cylinder head inspection -OK, next due 100 hr. C/W AD56-06-02 cylinder stud inspection -OK, next due at annual. Cleaned and gapped spark plugs. Engine run up to spec and leak checked -OK. I certify that this engine has been inspected IAW an annual inspection and was determined to be in airworthy condition.

Edward J. Rusch A&P1972456 IA




12/05/2013

N727AV

Hobbs: 144.4

Removed propeller and sent to H&S Propeller Shop, Inc reinstalled after inspection see prop logs for more details. Performed run up ops check satisfactory no defects noted at this time. I certify that the above component is in airworthy condition and can be returned to service.

Monico Lopez AP3692583

Elite Air Service 300 Airport dr  
Coldwater MI 49036  
517 278-6516





**Iterations**  
(number of  
entries.)

12/05/2013

N235RS

Hobbs: 144.4

Removed Prop Governor and Hydraulic Adapter sent to H&S Propeller Shop for inspection.  
Reinstalled prop Governor S/N WH51921 and Hydraulic Adapter WO# 44720 after inspection, see  
8130 tags for more details. Performed run up ops checked good at this time. I certify that the above  
components are in airworthy condition and can be returned to service.

*Kenneth D Hunley*  
Kenneth D Hunley AP362668601

Elite Air Service 300 Airport dr  
Coldwater MI 49036  
517 278-6516



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



ELITE AIR SERVICE

PH: 517 278-6516

143 E CHICAGO RD COLDWATER MI 49036

FAX: 517 279-2363

06/01/2014

R-985

HOBBS: 148.2

TSMO: 173.1

S/N 42-121892

- 1) Inspected engine per FAR 43 apx D Annual inspection.
- 2) Performed compression check as follows #1 79/80, #2 78/80, #3 78/80, #4 78/80, #5 79/80, #6 79/80, #7 79/80, #8 78/80, #9 78/80.
- 3) Performed oil change replaced filter with new and inspected old filter for contaminants none found serviced engine with 25W60XC.
- 4) Drained carburetor bowl and inspected controls for proper operation.
- 5) Removed all spark plugs cleaned, gapped, tested, and reinstalled with new gaskets P/N M674.
- 6) Inspected all hoses and line no defects noted at this time.
- 7) Researched AD's all AD notes complied with at this time.

*Monico Lopez*  
Monico Lopez AP366903174

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

*Monico Lopez*  
MONICO LOPEZ AP3669031741A



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

PH: 517 278-6516

143 E CHICAGO RD COLDWATER MI 49036

10/012015

R-985

Hobbs: 151.9

TSMO: 177

S/N 42-121892

Performed Annual inspection per FAR 43 apx D and 91.409(a)(1)

Researched AD's and all AD notes complied with at this time.

Inspected all hoses and lines no defects noted at this time.

Performed compression check as follows #1 72/80, #2 75/80, #3 79/80, #4 76/80, #5 74/80, #6 76/80, #7 79/80, #8 78/80, #9 79/80.

Performed run-up and ops checked all satisfactory at this time.

Hillard D. Hiner Jr. AP8135719IA

I certify that this Engine has been inspected in accordance with an Annual Inspection and determined to be in Airworthy condition at this time.

Hillard D. Hiner Jr. AP3105719IA



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



Elite Air Service 300 Airport Dr. Coldwater MI 49036 517 278-6516

July 1st 2016, N727AV Beechcraft G18S S#BA560, P&W R985-AN14B S#42-121892, Hobbs: 161.2, TT 4700 SMOH 181

Inspected LEFT engine as required by FAR91.409(a)(1) per checklist meeting requirements of FAR 43.15(c)(1) and FAR 43 appendix D. Compressions 1/77 2/79 3/79 4/78 5/79 6/76 7/79 8/79 9/79.

All work done IAW Beechcraft G18S and P&W R985 maintaince documents. Preformed post inspection operational check per FAR43.15(c)(2). This engine was inspected in accordance with an annual inspection and has been determined to be in airworthy condition at this time.

Rueben A Walkup A&P 3368961 IA



ELITE AIR SERVICE



PH: 517 278-6516

143 E CHICAGO RD COLDWATER MI 49036


FAX 517 279-2363

07/07/2017 N727AV Beechcraft G18S S/N: BA-560 Engine: R985-14B  
Hobbs: 0197.5

Performed oil change on Left engine; drained oil, removed oil filter and Inspected filter for contaminants; installed new oil filter P/N 122R, and serviced engine with 25W60XC oil. ALL work performed using G18S maintenance documents. Performed a run-up ops and leak check; no defects noted at this time.


Walter H Paegel IV AP3737207




DATE	RECORDING	TODAY'S	TOTAL	Description of Inspections, Tests, Repairs and Alterations
19	TACH	FLIGHT	TIME IN	Entries must be entered on Name, Rating and Certificate Number of Technician. See back pages for other specific entries.
	TIME	SERVICE		
				
<b>Elite Air Service 300 Airport Dr. Coldwater MI 49036 517 278-6516</b>				
<b>August 1<sup>st</sup> 2017, N727AV Beechcraft G18S S#BA560, P&amp;W R985-AN14B S#42-121892, Hobbs: 202.1, TT 4740.9 EST SMOH 221.9</b>				

Inspected **LEFT** engine as required by FAR91.409(a)(1) per checklist meeting requirements of FAR 43.15(c)(1) and FAR 43 appendix D. Compressions 1/77 2/79 3/79 4/78 5/79 6/76 7/79 8/79 9/79.


All work done IAW Beechcraft G18S and P&W R985 maintenance documents. Completed post inspection operational check per FAR43.15(c)(2). This engine was inspected in accordance with an annual inspection and has been determined to be in airworthy condition at this time.

  
 Rueben A. Walkup A&P 3368961 IA

				
<b>Elite Air Service 300 Airport Dr. Coldwater MI 49036 (517)278-6516</b>				
<b>February 23<sup>rd</sup> 2018, N727AV Beechcraft G18S S#BA560, P&amp;W R985-AN14B S#42-121892, Hobbs: 254.7 TT 4742.3, SMOH 222.5</b>				

Inspected **LEFT** engine as required by FAR91.409(a)(1)&(b) per checklist meeting requirements of FAR 43.15(c)(1) and FAR 43 appendix D. Compressions 1/76 2/78 3/78 4/78 5/76 6/71 7/75 8/79 9/78. Cleaned gapped and rotated spark plugs. Changed oil and filter used new filter 122R serviced oil system with Phillips XC25w60.

All work done IAW Beechcraft G18S and P&W R985 maintenance documents. Completed post inspection operational check per FAR43.15(c)(2). This engine was inspected in accordance with an annual/100 inspection and has been determined to be in an airworthy condition at this time.

  
 Rueben A. Walkup A&P 3368961 IA



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



05/30/2019 N727AV LH Pratt & Whitney R-985-14B ser# 42-121892 SMOH: 253.7 HOBBS: 285.9  
 Inspected Engine IAW FAR 43 Appendix "D" check list and Pratt & Whitney Maintenance Manual.  
 Cylinder Compression #1-78/80, #2-78/80, #3-75/80, #4-79/80, #5-79/80, #6-78/80, #7-79/80, #8-78/80,  
 #9-78/80. Oil Filter change checked old one clear of metal. Timing checked @ 25 degrees BTDC with  
 Time-Rite Both Mags. Cleaned gapped and tested all front and rear spark plugs. Washed engine with  
 solvent, cleaned cowl. All AD's through 5/30/19 complied with and listed. I certify that this power plant  
 has been inspected IAW an 100hr/Annual and ws determined to be un an airworthy condition.

Joel E. Newton 574306216 A & P

*Joel E. Newton*






## ELITE AIR SERVICE

02/02/2021 N727AV BEECH G18S LEFT P & W R 985-14B ser# 42-121892 TTAF: 15,507.1 SMOH: 332.1

Performed Annual inspection per FAR 43 Appendix "D" check sheet(43.15 C,1). Engine ran up to operating temp. All AD's through Bi-weekly 2020-17 complied with and listed. **AD56-08-07** Cyl flange attaching studs, visual and torque, 100 hr inspection, no discrepancies noted. Due at TTAF: 15,607.1. **AD78-08-07** Cyl head separation, visual, 150 hr inspection, no discrepancies noted. Due at TTAF: 15657.1. All spark plugs cleaned, gapped, tested and rotated. New gaskets installed except aft #1 (thermal couple) anti seized and torque 25 ft lbs. Timing checked at 25 Degree's BTDC both mags. Oil (tank, sumps) drained, added 5 gal. Phillips XC 25W60. Oil filter Fram HP6A. Old filter cut and contents checked no discrepancies noted. Cylinder compression checked, Master orifice 45/80, #1-78/80, #2-72/80, #3-76/80, #4-79/80, #5-79/80, #6-64/80, #7-78/80, #8-71/80, #9-73/80. Exhaust checked no discrepancies noted. Beech maintenance manual 414-180161-B10 2797, P & W SB 1000, P & W R-985 overhaul manual 123440 used as reference. I certify that this engine has been inspected IAW an Annual inspection and has been determined to be in an airworthy condition.

*By/CA. 3211171 IA*

11/30/2021

Hobbs: 307.3

TTAF: 15516.2

SMOH: 336.2

Time correction

*John A. 4389274 AP*






## ELITE AIR SERVICE

06/01/2022 N727AV BEECH G18S LEFT P & W R 985-14B ser# 42-121892 TTAf: 15,516.2 SMOH: 336.2

Performed 100 hour inspection per FAR 43 Appendix "D" check sheet(43.15 C,1). Engine ran up to operating temp. All AD's through Bi-weekly 2022-11 complied with and listed. **AD56-08-07** Cyl flange attaching studs, visual and torque, 100 hr inspection, no discrepancies noted. Due at TTAf: 15,607.9. **AD78-08-07** Cyl head separation, visual, 150 hr inspection, no discrepancies noted. Due at TTAf: 15657.9. All spark plugs cleaned, gapped, tested and rotated. New gaskets installed except aft #1 (thermal couple) anti seized and torque 25 ft lbs. Timing checked at 25 Degree's BTDC both mags. Oil (tank, sumps) drained, added 5 gal. Phillips XC 25W60. Oil filter Fram HP6A. Old filter cut and contents checked no discrepancies noted. Cylinder compression checked, Master orifice 46/80, #1-78/80, #2-71/80, #3-75/80, #4-78/80, #5-77/80, #6-70/80, #7-78/80, #8-72/80, #9-75/80. Exhaust checked no discrepancies noted. Beech maintenance manual 414-180161-B10 2797, P & W SB 1000, P & W R-985 overhaul manual 123440 used as reference. I certify that this engine has been inspected IAW an 100 hour inspection and has been determined to be in an airworthy condition.

Joel Newton 4389274 A&P 

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tries.)



DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
2022 10	06101 14465 307.9			Inspected engine IAW FAR 43 App D annual inspection and found to be in airworthy condition. J. Newton A&P 1972456 IA



05/22/2025 N727AV G18S LEFT Pratt & Whitney R-985 ser# 42-121892 TTAF: 15,517. SMOH: 336.2  
 Performed annual inspection per FAR 43 appendix "D" checklist. All AD's through bi-weekly 2025-10  
 listed and complied with. CW AD 56-06-02 100 hr. cylinder base nut studs for broken studs visual  
 inspection, next due TTAF: 15,607.9. CW AD 78-08-07 150 hr cylinder head separation visual 10X mag,  
 next due TTAF: 15,667.6. Engine run up to operating temperature, recorded parameters. Cylinder  
 compression #1-78/80, #2-76/80, #3-72/80, #4-72/80, #5-78/80. #6-72/80, #7-78/80, #8-76/80, #9-  
 74/80. Master orifice 46/80. All spark plugs cleaned, gapped, and tested, new gaskets installed. Oil  
 Phillips XC 25W60 filter HP6A changed & checked no discrepancies noted. Timing checked at 25 degree's  
 BTC. Reference Beech manual 414-180161-810 2797, P & W SB 1000, P & W R985 overhaul manual  
 123440. I certify that this engine has been inspected and was determined to be in an airworthy  
 condition. Joel Newton A&P 4389274 IA