

60-18-10

TOTAL TIME SERVICE	TOTAL TIME SINCE OVERHAUL	TACH ON RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			TOTALS brought forward from previous page
18/10	TK 2961		Removed Engine from Airframe for Overhaul
	SMOH 1545		[Redacted Signature]
			Charles K. Henkel A.P. [Redacted]

9-9-10 S/N L-18826-51A TACH:  
 ENGINE MEETS REQUIREMENTS OF MAJOR OVERHAUL AFTER COMPLETION OF TEST RUN. STEEL PARTS MAGNIFLUXED, CASE ZY-GLOED AND FOUND FREE OF CRACKS AT THIS TIME. CASE OVERHAULED BY CRANKCASE SERV WO# 16999. CAM GROUND BY AIRCRAFT SPECIALTIES WO# 201403. CAM FOLLOWERS GROUND BY ECI WO# 103201.1. ALL CYLINDERS GROUND P010 BY HARRISON ENGINE SERV WO#s 92148 THRU 92151. THE FOLLOWING PARTS INSTALLED NEW: 1-SL61084 SPRING, 1-SL1028-B BALL, 1-SLSTD2213 BOLT, 2-SL13884 MOO3 BEARINGS, 4-SL11020 MOO3 BEARINGS, 3-SL13212 BEARINGS, 8-SL71903 C/W BUSHINGS, 2-14W21696 C/W ROLLERS, 2-SL72797 C/W ROLLERS, 8-SL14820 C/W CLIPS, 4-SL73810 CRANK BUSHINGS, 1-SL76121 TACH SHAFT, 1-SL18109S OIL GEARS, 4-CT10207 P010 PISTONS, 4-ST203P010 RING SETS, 8-60828 PIN PLUGS, 4-LW13444 PISTON PINS, 8-SL75060 ROD BOLTS, 8-SL12186 NUTS, 4-SL16740 EX VALVES, 4-SL75838 EX GUIDES, 8-SL31C-12 EX STUDS, 4-SL71894 EX SEATS, 8-SL11796 & SL11797 VALVE SPRINGS, 8-SL13997-3 & SL72057 VALVE KEYS, 4-SL13998-3 & 62388 ROTO CAPS, 4-73772 COOLING NOZZLES, 4-SLSTD2180 HOSES, 1-SL75441-1 GASKET SET. DISASSEMBLED, CLEANED & INSPECTED MAGS & ALT. REASSEMBLED USING THE FOLLOWING PARTS: MAG S/N FO-11A416 POINTS & FRONT BEARING. MAG S/N L218712F POINTS, FRONT BEARING, IMP SPRING. ALT S/N F093803 BOTH BEARINGS & BRUSHES. STARTER EXCHANGED FOR OVERHAULED UNIT NEW S/N A019018 FROM AEROTECH WO#99500. INJECTION SYSTEM OVERHAULED BY PROFESSIONAL AIRCRAFT ACCESSORIES WO# 50261. INSTALLED OVERHAULED LW15472 FUEL PUMP S/N AA26207.

C/W ADs 96-09-10 DATED 7-15-96 PER S/B 524 DATED 9-1-96 & S11344 DATED 7-76. DUE EACH 2000 HRS. 04-10-14 CI DATED 6-25-04, PER SB 475C DATED 1-30-03. DUE AT EACH PROP STRIKE. SS 08-14-07 DATED 8-14-08 PER SB 342F DATED 6-4-2010. DUE EACH 100 HRS OR AT OVERHAUL. 94-01-03 R2 DATED 6-28-95 PER MSB 644. STAMPED ( C ) ON CASE. 05-12-06 DATED 7-19-05 PER MSB 645 DATED 4-4-94 DUE EACH 500HRS. 06-20-09 DATED 11-3-06 DNA BY S/N. C/W S/B 518C DATED 5-2-95 BY INSPECTION. ENGINE NOT INSTALLED IN AIRCRAFT AT THIS TIME. END. KLINE AVIATION, INC. PAUL KLINE [Redacted]

Date: 10/29/2010	Aircraft # 5293M	Serial # MC572
Tach: 2951.31	Total Time: 2951.31	SMOH: 0

Prepared By: Charles K Henkel [Redacted] Certification # A8 [Redacted]

Comments: [Redacted] engine (AW) Lycoming and Beech service manuals. All AD's complied with per [Redacted] facility. Ground [Redacted] [Redacted]

5/7/10

57.10 Aircraft # 93M Serial # MC572  
Tech. 2948 Total Time: SMOH:

Prepared By: Charles K Henkel Certification # A&P [REDACTED]

Comments:  
Removed and replaced governor with overhauled governor pn A210490E sn745259, tested and leak checked-ok. Drained oil and re-serviced with 8 qts 20W50 Phillips X-country oil. Inspected oil screen, ok.

28.10 2950

Installed 2 new oil cooler hoses from  
PLB accessories thru Lycoming service  
ok - no leaks. Psi tested oil cooler  
Adjusted RW mag. temp. to 20° B/C  
[REDACTED] A&P [REDACTED]

41482  
SERVICE BULLETINS

ADP  
O/H MANUAL #  
33002B

*Aircraft*

OF OK  
FAA APPROVE  
GRS  
2740 N. SHERIDAN  
800.255.9924 PH. 918.499.924 FAX 918.035.3681

*Accessories*

MA, INC.  
AIR STATION  
3829L  
TULSA, OK 74115  
800.255.9924 FAX 918.035.3681

MAINTENANCE TRAVELER

OVERHAUL

REPAIR

WARD EXCHANGE

CUSTOMER Chicago Executive Flight School

WORK ORDER # 41482 DATE 5-5-10

P/N A210490 E

MFG. WOODWARD

S/N 745259

Drive Gear  Idler Stud  Speeder Spring  Spool  Idler Gear  Idler Bearing  Relief Spring   
Cap  Sp. Adj. Shaft  Housing  Relief Valve  Flyweight  Sp. Rack  Control Arm   
Return Spring  Flyweight Pins  Assemble  Test RF  
Feathering  Unfeathering  Synchronized

Magnetic Pickup  Coil  Motor  Potentiometer  Micro SW  Lift Rod  Unfeathering Rod   
Unfeathering Valve  Unfeathering Actuator  Assemble  Test

Turbo  Primary  Overspeed

Spring Reset  Pitch Lock Solenoid  Lever Assy. Reset Post  Reset Switch  Orifice Bleed Air   
Lever Bleed Air  Feather Switch  Lever Assy. Orifice  Link Bleed Air  Plunger Beta Valve   
(Shaft Airbleed Reset)  Pin Locating  Return Spring Air Bleed Link  Eccentric Reset   
Assemble  Test

PART # & NAME	P.O.#	QUANTITY	COST
182798	SEAL	1	
206336	"	1	
206337	GASK.	1	
186320	"	1	
230625	"	1	
210036	BRNG.	1	
180231	"	1	
210216	RACE	1	
210112	PINS	2	
210289	FLYWTS.	8	

LABOR \_\_\_\_\_  
PARTS \_\_\_\_\_  
SUBTOTAL \_\_\_\_\_  
TAX \_\_\_\_\_  
FREIGHT \_\_\_\_\_  
TOTAL \_\_\_\_\_

INSPECTOR

24.09      Aircraft # 5203M      Serial # L-18828-51A  
 Tech: 2909.77      Total Time:      SMOH: 1493.47  
 Prepared By: Charles K Henkel      Certification # A&P [redacted] IA

- Comments:
- Inspected and assembled this engine IAW Beech maint manuals, Lycoming overhaul manuals and all applicable FAR's and ad's
  - Installed new main bearings
  - all cylinders inspected and yellow tagged at Poplar Grove Airmotive per tags
  - Crank shaft inspected at Poplar Grove Airmotive per tag
  - All gaskets replaced with new according to manual
  - oil 100 mineral aeroshell added for break in period-8 qts
  - Magnetos sent for 500 hour inspection at RLB per tags
  - all spark plugs and ignition harness replaced with new
  - new engine isolator mounts installed
  - Ground ran engine and checked for leaks, none at this time
  - All Ad'S checked and complied with at this time per sheets provided

Compressions 1) 74 2) 75 3) 75 4) 74  
 80 OK

I certify that this engine has been inspected IAW a 100 hour/annual inspection and has been found to be in an airworthy condition at this time.


USAirports Flight Support 1265 Scottsville Road Rochester, NY 14624 UG6R0850  
 LOG ID# 558 24-November-2009 WO# 3430/1 HOBBS 661.5  
 5293M S/N MC-572 BEEHCRAFT Serra C24R TACH 2923.7

Gasket  
Level

ITEM # 3430-1 Engine oil leak \*\*\*\*  
 REPAIR: Engine oil leak  
 Removed top and bottom cowls. Cleaned engine and performed engine ground run. Found prop. case leaking. Removed faulty governor P/N (off) A210490 S/N (off) 1448841E. Installed new P/N MS9144-01 and overhauled governor P/N (on) A210490 S/N (on) 1816591. Re-adjusted prop. cable. Performed engine ground run, ops and leak check satisfactory at this time. Reinstalled cowls and any panels removed.  
 Approved for return to service. Pertinent details are on file at this repair station under work order mentioned above.

66R0850      [redacted]      11-24-09      Date  
 Doreen Ferguson


TIME IN SERVICE

TOTAL TIME SINCE OVERHAUL

TACH OR RECORDING METER TIME

DESCRIPTION OF WORK PERFORMED  
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

### ENGINE LOG BOOK ENTRY

02/14/2008: N5293M: Beech: C24R: S/N MC-572: Tach: ~~20000~~ 2908.9  
Lycoming: IO-360-A1B6: S/N: L-18826-51A: *CS*

I have visually and physically inspected this Engine after aircraft was landed with (GEAR UP); and have checked ad status and have found all AD's which apply to this Engine are in accordance. And that this Engine is deemed safe for Ferry flight from Lake In The Hills Airport (3CK) to Chicago Executive Airport (PKE) All work done in accordance with FAR 91.203(b).

*I Certify That This Engine has been inspected in accordance with a Ferry Flight inspection and was determined to be in Airworthy condition at this time.*  
With respect to the work performed the aircraft is approved for return to service.

END

*SMO H 1447.6*



Christopher J. Swanick A&P

For

**PALWAUKEE FLYERS**

1120 S. Milwaukee Ave. Hanger One @ Palwaukee Airport, Wheeling, IL 60090