

6114 FOREST PARK RD., DALLAS, TX 75235-6498  
**CERTIFICATE NO. YRRR491L**

WORK ORDER NUMBER	ENGINE SERIAL NUMBER	MODEL	DATE
FT0376	PCE51702	PT6A-28	2-20-97
ENGINE T.S.N.	ENGINE C.S.N.	ENGINE T.S.O.	ENGINE C.S.O.
5891.6	4366	00.0	ZERO

**LIFE LIMITED COMPONENTS**

NAME	P/N	S/N	HOURS	CYCLES	NAME	P/N	S/N	HOURS	CYCLES
DISK-STG. 1 P.T.	3022412	2A285	5891.6	4366	DISK-STG 2 COMP	3013712	9B659	N/A	19098
DISK-STG. 2 P.T.	N/A				REAR HUB	3013111	4A582	5891.6	4366
IMPELLER	3013176	6B311	3501.5	1976	DISK-C.T.	3013411	3P782	2240.7	987
DISK-STG 3 COMP.	3011713	5A412	5891.6	4366	C. T. BLADES	3102401-01	N/A	00.0	ZERO

NOTE: REFER TO APPLICABLE SERVICE BULLETIN FOR APPROVED LIFE LIMITS

**ACCESSORY INSTALLATION**

NAME	P/N	S/N	T.S.O	REMARKS	NAME	P/N	S/N	T.S.O.	REMARKS
FUEL CONTROL	2524440-5	A7782	00.0		MAIN OIL FILTER	3034293	N/A	NEW	
START CONTROL	SFC113	10184	00.0		T5 LEAD	3037342	0982030	00.0	
FUEL HEATER	10552E	3781	00.0		BY-PASS VALVE	N/A			
FUEL PUMP	025323-101-02	3234	00.0		T5 TRIMMER	3031417CL19	N/	NEW	
TORQUE LIMITER	N/A				P3 AIRFILTER	N/A			
EXCITER	10-381550-1	10857	00.0		FUEL NOZZLES	XXXXX	XXXXX	00.0	
IGNITER PLUGS	CH34055	N/A	00.0		THERMOCOUPLES	3034389	N/A	00.0	
IGNITION CABLES	10-395427-8	N/A	NEW						
BUS BAR	3027628	HR06962	00.0						
BUS BAR	N/A								
C.S.U.	8210-003T	2251817T	00.0						
L.P. BLEED VALVE	N/A								
H.P. BLEED VALVE	3100829-03	1A175	00.0						

*DallasAirmotive.*

"Super Support Warranty Applies,  
(USA & Canadian Operators Only)  
Except For Customer Supplied Parts  
And/Or Workscope Changes.  
Contact Dallas Airmotive For Details"

6114 FOREST PARK RD., DALLAS, TX 75235-6498

CERTIFICATE NO. YRRR491L

**INSPECTION AND MODIFICATION CERTIFICATE**

MANUFACTURER	UNIT NAME	MODEL	SERIAL NUMBER
PRATT & WHITNEY	ENGINE	PT6A-28	PCE51702
T.S.N.	C.S.N.	T.S.O.	C.S.O.
5891.6	4366	00.0	ZERO

OVERHAUL

REPAIR

I/A/W MANUFACTURER'S SPECIFICATIONS AND DALLAS AIRMOTIVE, INC. WORK SPECIFICATIONS AS-OH-PT6A-28 ISSUE #8 AND AS-AO-PT6A-28 ISSUE #13. TESTED. TURBINE VANE RING AREAS: PT: 12.79 CT: 13.2

AIRWORTHINESS DIRECTIVES PREVIOUSLY ACCOMPLISHED: AD 75-06-01, AMEND #39-2858, DATED 4-1-77; AD 75-11-04, AMEND #39-2207, DATED 5-20-75; AD 80-08-12, AMEND #39-3748, DATED 4-18-80

SERVICE BULLETINS ACCOMPLISHED:

GEAR REDUCTION: 1100, 1173, 1248, 1281, 1381, 1404, 1431, 1484  
POWER SECTION: 1150, 1427, 1503  
GAS GENERATOR: 1139, 1191, 1276, 1466  
ACCESSORY GEARBOX: 1282, 1508  
GENERAL: 1002, 1203, 1255, 1487, 1488, 1490, 1493  
COMPRESSOR BLEED VALVE S/N 1A175: 1410  
FUEL NOZZLES: 1519

THIS ENGINE OR APPLIANCE HAS BEEN REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THIS REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER WORK ORDER NO. : **FT0376**

DATE: 7-20-97

SIGNATURE: Dale E. Rickard



6114 FOREST PARK RD., DALLAS, TX 75235-6498  
 CERTIFICATE NO. YRRR491L  
**PT6 ENGINE TEST CERTIFICATE**

MODEL: PT6A-28 SERIAL NUMBER: PCE51702

TEST ACCEPTANCE DATE: WORK ORDER: FT0376

TEST:  OVERHAUL  
 REPAIR

OIL TYPE: PWA 521 FUEL TYPE: PWA 522

**CORRECTED ENGINE PERFORMANCE**

RATING	SHP	Ng%	T <sub>5</sub>		SFC
			°F	°C	
TAKE-OFF	680	98.7	1198	647.7	0.598

DATA PLATE SPEED 35649 / 95.1 % POWER CHECK T<sub>5</sub> TARGET -68.9 °C  
 T<sub>5</sub> TRIMMER P/N 3031417 INSTALLED CLASS 19  
 T5 PULL DOWN REQUIRED 76.1 °C ADJUSTED @ N/A OHMS

# ENGINE SERVICE RECORD

*Dallas* **Airmotive.**

ENGINE SERIAL NO. PCE 51700

MODEL PT6A-28

DATE	ACCUMULATIVE TOTALS				DESCRIPTION OF WORK PERFORMED
	HOURS		CYCLES		
	SINCE NEW	SINCE O/H	SINCE NEW	SINCE O/H	
7/22/77	5891.6	0.0	4366	0.0	INSTALLED ENGINE S/N PCE 51700 ON L/H POSITION OF A/C N303 KL S/N 311-7820061. C/W RUN-UP, LEAK CHECK, AND CONTROL RIG. SERVICED ENGINE WITH MOBIL JET II OIL. INSTALLED NEW BERRY ENGINE MOUNTS P/N 96006-01, S/N 006, 0062, 0063  <div style="text-align: right; font-family: cursive;">                         JRM                          #18360618                     </div>

165  
1097.2  
R  
ion.  
50014-000,

9/25/91  
N303K  
ACTT: 6242.9  
L/E TSO: 313.9  
R/E TSO: 2349.6  
LEFT PROP TSO: 1200.8

CHEYENNE II  
HOBBS: 4839.2  
TSN: 6242.9  
TSN: 6242.9  
RIGHT PROP TSO: 1200.8

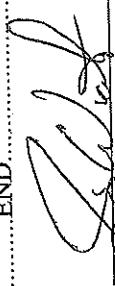
COMPLETED 100 HOUR INSPECTION (EVENTS 1&2)  
THIS DATE PER F.A.R. 91.409-E-F-3 (mfgs program).....  
COMPLETED THE FOLLOWING 100 HOUR  
INSPECTION ITEMS.....  
PERFORMED GEAR RETRACTION AND EMERGENCY  
EXTENSION. SERVICED SHIPS BATTERY AND R NAV  
MEMORY BATTERY. INSPECTED AND OPVS  
CHECKED EMERGENCY EXIT. LUBED ENTIRE  
AIRCRAFT PER MFGRS LUBE CHART. SERVICED  
TIRES, BRAKE RESIVOVR, HYD POWER PACK,  
OXYGEN, AND FREON AIR CONDITIONING SYSTEM.....

PERFORMED HEATER DECAY CHECK HEATER  
HOBBS READS 200.9 HOURS.....

COMPLIED WITH THE FOLLOWING AD NOTES.....  
80-26-05 INSPECTION OF LANDING GEAR DOOR  
HINGE ATTACHMENT.....  
82-27-13R2 INSPECTION OF FLAP TRANSMISSION.....

COMPLIED WITH THE FOLLOWING SERVICE  
BULLETINS.....  
SB 494A INSPECTION OF FLAP SYSTEM.....  
SB 649B INSPECTION OF FLAP CONTROL SYSTEM.....  
SB 682 INSPECTION OF MLG INBOARD DOOR HINGES.  
SB 741PT1 AND PT2 WING FLAP TRAVEL AND FLEX  
SHAFT INSPECTION.....

AFTER COMPLETING THE ABOVE I CERTIFY THAT  
THIS AIRCRAFT / ENGINES / AND PROPELLERS WERE  
INSPECTED I.A.W. 100 HOUR INSPECTION (events 1&2)  
PER F.A.R. 91.409-E-F-3 (mfgs program) AND WAS  
FOUND TO BE AIRWORTHY AND RETURNED TO  
SERVICE THIS DATE WITH RESPECT TO THE ABOVE  
WORK ACCOMPLISHED.....END.....

  
JAMES D WIATER  
A & P 1601066

# SERVICE RECORD

MODEL

## DESCRIPTION OF WORK PERFORMED

AND/OR INSPECTED IN  
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# ENGINE SERVICE RECORD

5/4/79  
 ENGINE AIRLINES  
 CHECKOUT II HOURS SAN PAULI-7820061  
 COMPLETED 100 HOUR INSPECTION THIS DATE PER FAR 91.409-E-F-3  
 (FROM PROGRAM)

117-7820061  
 RBBS: 235.4  
 /HSI: 2074  
 /HSI: 341  
 /SO: 1300.8

COMPLETED THE FOLLOWING 100 HOUR INSPECTION ITEMS,  
 PERFORMED EMERGENCY EXIT INSPECTION, PERFORMED BEAR  
 RETRACTION AND EMERGENCY EXTENSION, CAPACITY CHECKED,  
 ELECTROLYTE CHECKED AND TOP CHARGED SHIPS BATTERY, CAPACITY  
 CHECKED AND TOP CHARGED R MAIN MEMORY BATTERY, CHANGED OIL ON  
 BOTH ENGINES TO MOBIL 11 AND CLEANED AND INSPECTED OIL  
 FILTERS AND CHIP DETECTORS, PERFORMED 24 MONTH INSPECTION ON  
 ALL FUEL CELLS, CLEANED AND LOBED LANDING BEAR AND LOBED  
 ENTIRE AIRCRAFT PER HERS, LUBE CHECK, REBBERED ALL STRUT  
 WICKS, VERIFIED ALL CONTROL SURFACE TENSIONS ARE TO  
 MAINTENANCE MANUAL SECS.....  
 COMPLETED WITH THE FOLLOWING AB NOTES.....  
 AD 80-26-05 LANDING BEAR DOOR ATTACHMENT,  
 AD 83-27-13M1 FLAP TRANSMISSION INSPECTION  
 COMPLETED WITH THE FOLLOWING SERVICE BULLETINS.....  
 SB 494A INSPECTION OF FLAP SYSTEM,  
 SB 6748 INSPECTION OF FLAP CONTROL SYSTEM,  
 SB 682 AIG THROAT BEAR DOOR WIRING INSPECTION,  
 SB 741PT1 WING FLAP TRAVEL INSPECTION,  
 SB 741PT2 WING FLAP OPS PROCEEDURES,  
 AFTER COMPLETING THE ABOVE I CERTIFY THAT THIS AIRFRAME,  
 ENGINES, PROPELLERS, AND ACCESSORIES HAVE BEEN INSPECTED IN  
 ACCORDANCE WITH A 100 HOUR INSPECTION PER FAR 91.409-E-F-3  
 (after program) AND WAS FOUND TO BE AIRWORTHY AND RETURNED  
 TO SERVICE THIS DATE WITH RESPECT TO THE ABOVE WORK  
 ACCOMPLISHED -----END-----

DATE PER  
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 R MGRS,  
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*James B. Winter*  
 JAMES B WINTER  
 A & P 1601066

*James D. Walyer*  
 JAMES D WALTER  
 A & P 1601066

DATE WITH RESPECT TO THE ABOVE WORK ACCOMPLISHED -----END-----

ENGINE SERIAL

DATE	SINO	NEV																		




# ENGINE SERVICE RECORD

*DallasAirmotive.*

ENGINE SERIAL NO. \_\_\_\_\_

MODEL \_\_\_\_\_

DATE	ACCUMULATIVE TOTALS				DESCRIPTION OF WORK PERFORMED
	HOURS		CYCLES		
	SINCE	SINCE	SINCE	SINCE	
					<p>STROTS WITH HYDRAULIC FLUID AND NITROGEN. REPLACED VARIOUS INSTRUMENT LIGHT BULBS.....</p> <p>COMPLIED WITH THE FOLLOWING RECURRENT AD NOTES.....                      AD 80-26-05 LANDING GEAR HOOR ATTACHMENT.....                      AD 82-27-13-R2 FLAP TRANSMISSION INSPECTION.....</p> <p>COMPLIED WITH THE FOLLOWING SERVICE BULLETINS.....                      SB 494A INSPECTION OF FLAP SYSTEM.....                      SB 649B INSPECTION OF FLAP SYSTEM.....                      SB 682 INSPECTION OF INBOARD MAIN LANDING GEAR DOORS.....                      SB 741 PARTS 1 &amp; 2 WING FLAP OFFS PROCEDURES.....</p> <p>AFTER COMPLETING THE ABOVE I CERTIFY THAT THIS AIRCRAFT, ENGINES, PROPELLERS, AND RELATED ACCESSORIES HAVE BEEN INSPECTED I.A.W. 100 HOUR INSPECTION PER F.A.R. 91.409-E-F-3 (origs program) AND WAS FOUND TO BE AIRWORTHY AND RETURNED TO SERVICE THIS DATE WITH RESPECT TO THE ABOVE WORK ACCOMPLISHED.....</p> <p style="text-align: center;">.....END.....</p> <div style="text-align: right; margin-right: 50px;">                       JAMES D BISTER                      A &amp; P 1601066                 </div> <p>at details are on file under the</p> <p>FA Repair Station #AMYR171C</p> <p>1152.2</p> <p>200hr. and 300hr. inspections.</p> <p>with new unit P/N 22A623 SWN</p> <p>generator tubing couplers with</p> <p>1. Replaced StartGen wire</p> <p>clean and flow check. Replaced</p> <p>2066. Replaced oil cooler with</p> <p>MS3106E10SL-4S. Replaced</p> <p>026. Replaced both ignitors with</p> <p>1 OHV unit P/N 3032651 (CL</p> <p>2. Cleaned and flushed all oil</p>


I certify that this engine was inspected in accordance with an annual event #1 and #2 inspection and is determined to be in airworthy condition. Pertinent details are on file under the above work order.

Signed *Karl J. [Signature]* for \_\_\_\_\_  
 Kansas City Aviation Center, Inc. 151st and Pflumm Road Olathe, Kansas 66051 FAA Repair Station #AMYR171C



ENGINE SERIAL

ACCUMULATIVE TOTALS

HOURS

5/20/02

EMPIRE AIRLINES  
200 EAST HWY 32  
PO BOX 1600  
LEBANON MO 6353

CHEYENNE II SN PA31T-7820061 N5007  
ACTT: 7189.5 HOURS HOBBS READS 10.5 HOURS  
L/E TSN 7189.5 TSO 1207 CSO 1098 C/HIS 1098  
TIME SINCE HOT SECTION 1207.1  
R/E TSN 7189.5 TSO 108.3 CSO 90 C/HIS 90  
TIME SINSE HOT SECTION 108.3

COMPLIED WITH THE FOLLOWING 100 HR INSPECTION

PER MFRS M  
IN ACCORDA

COMPLIED W  
PERFORMED  
EXTENSION.  
WINDOW SE  
CLEANED &  
CHART INSP  
THE MFRGS

DURING THE  
THE FOLLO  
BRUSHES. R  
SERVICED H  
SERVICED C

COMPLIED  
AD 80-26-05  
AD 80-27-13-

COMPLIED  
SE 494A INS  
SE 649B INS  
SE 682 INSP  
SE 741 PAR

AFTER COM  
ENGINES, P  
BEEN INSP  
(mfr's prop  
RETURNED  
WORK ACC

*[Signature]*  
JAMES D W  
A & P 16010

08/22/03

CHEYENNE II PA31T-7820061 "N5007"

ACCT: 7420.3 HOURS HOBBS 289

L/E TSN 7420.3 TSO 1437.9 SHSI 1437.9 CSO 1225

R/E TSN 7420.3 TSO 339.1 SHSI 339.1 CSO 217

LH PROP TSO 840.7 RH PROP TSO 840.7

HEATER HOBBS 451.7

DallasAirmotive

ENGINE SI

DATE

COMPLIED WITH 100 HOUR INSPECTION EVENTS 1 & 2 AND PERFORMED SPECIAL 100, 200, AND 300 HOUR INSPECTIONS AS PER MANUFACTURES MAINTENANCE PROGRAM I.A.W. F.A.R. 91.409-E-F-3.

COMPLIED WITH THE FOLLOWING AD'S

AD75-11-04 CHECK L & R CHIP DETECTORS.

AD80-26-05 LANDING GEAR DOOR ATTACHMENT.

AD82-27-13R FLAP TRANSMISSION INSPECTION.

DURING THE COURSE OF THE INSPECTION PERFORMED THE FOLLOWING; PERFORMED LANDING GEAR RETRACTION AND EMERGENCY EXTENSION, OPERATIONAL CHECK OF EMERGENCY EXIT WINDOW, SERVICED AIRCRAFT BATTERY, CLEANED AND LUBED ENTIRE AIRCRAFT, REPLACED L&R FUEL PUMP FILTERS, REPLACED L&R HYDRAULIC FILTERS, REPLACED ALL ( 4 ) ENGINE IGNITORS P/N CH34055, REPLACED L/H ENGINE STARTER/ GENERATOR BRUSHES, REPLACED R/H ENGINE OIL TO FUEL HEATER P/N 3032710 S/N WA14468, REPLACED L/H MLG TIRE P/N 650C06-3 S/N 23320371, REPLACED ALL MLG BRAKE LININGS, REPLACED PRESSURIZATION FILTERS, REMOVED AND REINSTALLED OXYGEN CYLINDER FOR HYDRO TEST NEW DUE DATE AUG/2006, REPLACED ELT BATTERY NEW DUE DATE JUNE/2005, REPLACED 4 ELEVATOR TRIM BUSHINGS P/N 61402-101, DRAINED L/H & R/H ENGINE OIL AND RESERVICED WITH BP 2380 TURBO OIL.

I CERTIFY THAT THIS AIRCRAFT, ENGINES, PROPELLERS, AND RELATED ACCESSORIES HAVE BEEN INSPECTED I.A.W. MANUFACTURES PROGRAM 100 HOUR INSPECTION EVENTS 1 & 2 AS PER F.A.R. 91.409-E-F-3 AND WAS FOUND TO BE AIRWORTHY AND RETURNED TO SERVICE THIS DATE IN REFERENCE TO THE ABOVE WORK ACCOMPLISHED, ----END-----

*John R. Solonyka*  
JOHN R. SOLONYKA

APP 508927653

# ENGINE SERVICE RECORD

ENGINE SERIAL NO

06/04/04

CHEYENNE II PA31T-7820061 "N5007"

TOTAL TIME 7526 HOURS. HOBBS 394.7

L/E TSN 7526. TSO 1543.6. SHSI 1543.6. CSO 1291

R/E TSN 7526. TSO 444.8. SHSI 444.8. CSO 283

LH PROP TSO 92.3. RH PROP TSO 92.3.

HEATER HOBBS 465.0

COMPLIED WITH 100-HOUR INSPECTION EVENTS 1&2 AND PERFORMED SPECIAL INSPECTION ITEMS 100 AND 300 HOUR INSPECTIONS AS PER MANUFACTURES MAINTENANCE PROGRAM I.A.W. F.A.R.91.409(E)(F)(3).

COMPLIED WITH THE FOLLOWING AD'S.

AD75-11-04 CHECK L&R CHIP DETECTORS.

AD80-26-05 LANDING GEAR DOOR ATTACHMENT.

AD82-27-13R FLAP TRANSMISSION INSPECTION.

AD2003-24-07 INSPECTION OF RUDDER TORQUE TUBE ASSEMBLY.

DURING THE COURSE OF THIS INSPECTION PERFORMED THE FOLLOWING, PERFORMED LANDING GEAR RETRACTION AND EMERGENCY EXTENSION, OPERATIONAL CHECK OF EMERGENCY EXIT WINDOW, CLEANED AND LUBED ENTIRE AIRCRAFT, REPLACED L&R HYDRAULIC FILTERS, REPLACED L&R LANDING GEAR UPLOCK HOOKS P/N 41797-03 AND BUSHINGS P/N 42129-04, REPLACED RH LANDING GEAR UPLOCK HOOK AFT BRACKET ASSEMBLY P/N 40616-000, REPLACED AIRCRAFT BATTERY P/N G-6381E NEW S/N G02133946. CLEAN, INSPECTED, AND FLOW CHECKED LEFT AND RIGHT ENGINE FUEL NOZZLES. ALL OPERATIONAL AND LEAK CHECKS GOOD. I CERTIFY THAT THIS AIRCRAFT, ENGINES, PROPELLERS, AND RELATED EQUIPMENT HAVE BEEN INSPECTED I.A.W. MANUFACTURES MAINTENANCE PROGRAM AS PER F.A.R. 91.409(E)(F)(3) AND WAS FOUND TO BE AIRWORTHY AND RETURNED TO SERVICE THIS DATE IN REFERENCE TO THE ABOVE WORK ACCOMPLISHED. -----END-----



JOHN R. SOLONYNKA

A&P 508927653

SINCE  
NEW

1. Approving National  
Aviation Authority/Country  
FAA/United States

2.

# AUTHORIZED RELEASE

FAA Form 8130-3, AIRWORTHINESS

4. Organization Name and Address

*Dallas Airmotive*

Dallas Airmotive, Inc.  
567 Bell #100, Spirit of St. Louis Airport  
Chesterfield, MO 63005-3602

6. Item	7. Description:	8. Part Number	9. Eligibility:
1	INLET FUEL NOZZLE ADAPTER ASSY.	3014703	N/A

13. Remarks TT: UNK TSO: UNK CSN: UNK CSO: UNK

CLEANED  
PERFORMED FUNCTIONAL CHECK  
COMPLIED WITH I.A.W. PRATT AND WHITNEY MAINTENANCE MANUAL P/N  
PCB51702

# ENGINE SERVICE RECORD

ENGINE SERIAL NO. \_\_\_\_\_

MODEL \_\_\_\_\_

ACCUMULATIVE TOTALS

07/14/05

**CHEYENNE II PA31T-7820061 "N5007"**

**TOTAL TIME 7632.6 HRS. HOBBS 501.3**

**LEFT ENGINE: TSN 7632.6. TSO 1650.2. SHSI 1650.2. CSO 1375.**

**RIGHT ENGINE: TSN 7632.6. TSO 551.4. SHSI 551.4. CSO 367.**

**LH PROP TSO 188.7. RH PROP TSO 188.7.**

**HEATER HOBBS 479.2**

COMPLIED WITH 100-HOUR INSPECTION EVENTS 1&2 AND PERFORMED SPECIAL INSPECTION ITEMS 100, 200, 300, AND 500 HOUR AS PER MANUFACTURES MAINTENANCE PROGRAM I.A.W. F.A.R.91.409(E0(F)(3).

COMPLIED WITH THE FOLLOWING AD'S

AD75-11-04 CHECK L&R CHIP DETECTORS.

AD80-26-05 LANDING GEAR DOOR ATTACHMENT.

AD82-27-13R FLAP TRANSMISSION INSPECTION.

AD2003-24-07 INSPECTION OF RUDDER TORQUE TUBE ASSEMBLY.

AD83-08-01R2 TORQUE CHECK OF PROPELLER ATTACHMENT BOLTS.

AD2004-25-16R1 HEATER FUEL SHUT OFF VALVE INSPECTION.

COMPLIED WITH MAINTENANCE ALERTS

INSPECTION OF MAIN GEAR RETRACTION ARMS 42042-000, 42042-002.

INSPECTION OF NOSE GEAR LINK ASSEMBLY 40336-000.

PERFORMED LANDING GEAR RETRACTION AND EMERGENCY EXTENSION, OPERATIONAL

CHECK OF EMERGENCY EXIT WINDOW, CLEANED AND LUBED ENTIRE AIRCRAFT.

REPLACED BLT BATTERY AND PERFORMED OPERATIONAL CHECK.

REPLACED RUDDER TRIM LINKAGE ROD END BEARINGS.

REPLACED RUDDER TRIM LINKAGE ROD END BEARINGS AND REPLACED FLERVATOR

SINCE  
NEW

**ENGINE**

ENGINE SERIAL NO. \_\_\_\_\_

DATE	ACCUMULATIVE TOTALS			
	HOURS		CYCLES	
	SINCE NEW	SINCE O/H	SINCE NEW	SINCE O/H



2/4/09 N5007 S/N8020061 Hobbs 686.2  
 5850 T.S.O. 1815.1 C.S.O. 1484 Lt. Engine

C/W Hot Section Inspection per P&W PT-6A-28 M.M. and PA & combustion liner, sent to Dallas Airmotive for inspection and 3013411, s/n 3P782 with new blades installed, reinstalled I.E. shroud segments installed, reinstalled repaired combustion line overhauled bus bar P/N 3027628 S/N HR15315; Fuel nozzles cleaned and cleaned. Calibrated torque and I.T.T. systems. Installed on 8206110 S/N on 7909118 P/N 489-410. Test ran engine and all The aircraft, airframe, engine, propeller, or appliance identified in accordance with Regulations of the Federal Aviation Agency and service. Pertinent details of the repair are on file at this agency.

Signed Paul Cawthorn  
 Paul Cawthorn  
 Des Moines Flying Service FAA CRS G9CR485J



13. Remarks TT: 4055.8 TSO: 1815.1 CSN: 2197 CSO: 1210  
 INSTALLED 58 EA. NEW C.T. BLADES P/N 3039901  
 COMPLIED WITH PRATT AND WHITNEY S.B. PT6A-72-1455 REV 2 DATED DE  
 INSTALLED 58 EA. NEW C.T. BLADE RETAINING RIVETS P/N 3018240  
 TRUED AND BALANCED  
 COMPLIED WITH REFERENCE TO PRATT AND WHITNEY OVERHAUL MANU  
 ACCEPTABLE TO THE ADMINISTRATOR  
 ENGINE S/N PCE51702

6. Item	7. Description:	8. Part Number	9. Eligibility
1	C.T. DISK ASSY.	3013411	N/A



4. Organization Name and Address  
 Dallas Airmotive, Inc.  
 567 Bell #100, Spirit of St. Louis  
 Chesterfield, MO 63005-3602

1. Approving National Aviation Authority/Country  
 FAA/United States  
 2. AUTHORIZED RELEASE  
 FAA Form 8130-3, AIRWORK

ENGINE SERVICE RECORD

09/13/2009

CHEYENNE II PA31T-7820061 N5007

TOTAL TIME 7841.0 HRS. HOBBS ~~613.7~~ 709.7

HEATER HOBBS 483.5

LH ENGINE TSO 1858.6 CSO 1496

SHSI 43.5 C/SHSI 12

TSN 7841

RH ENGINE TSO 759.8 CSO 488

SHSI 759.8 C/SHSI 488

TSN 7841

LH/RH PROPELLERS TSO 397.1

CABIN HEATER TSN 63.8

COMPLIED WITH 100 HOUR INSPECTION EVENTS 1&2 AND PERFORMED SPECIAL INSPECTION ITEMS 100,200, AND 400 HOUR AS PER MANUFACTURES MAINTENANCE PROGRAM. I.A.W. FAR 91.409(E0)(F)(3).

COMPLIED WITH THE FOLLOWING AD'S

AD75-11-04 ENGINE CHIP DETECTORS.

AD80-26-05 LANDING GEAR DOORS.

AD82-27-13R2 FLAP TRANSMISSION.

AD2003-24-7 RUDDER TORQUE TUBE.

AD2004-25-16R1 HEATER FUEL VALVE

AD2005-18-20 PROPELLER DEICE BOOTS INSPECTION.

PERFORMED LANDING GEAR RETRACTION AND EMERGENCY EXTENSION.

OPERATIONAL CHECK OF EMERGENCY EXIT WINDOW.

AIRCRAFT LUBE.

ENGINE OIL CHANGE.

OPERATIONAL CHECKS GOOD.

ALL WORK PERFORMED I.A.W. MANUFACTURES MAINTENANCE PROGRAM.

*John R. Solonyka*


JOHN R. SOLONYNKA

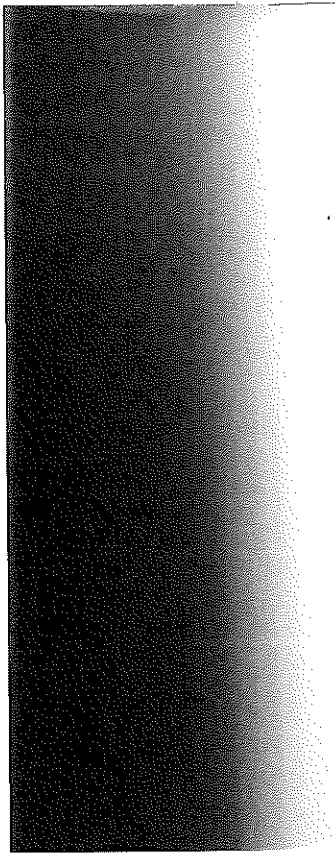
A&P 3031683

# ENGINE SERVICE RECORD



ENGINE # 02/03/2012

DATE	
	CHEYENNE II PA31T-7820061 N515Z
	TOTAL TIME 7954.4 AFL 6527
	HEATER HOBBS 489.9
	LH ENGINE TSO 1972.0 CSO 1558
	SHSI 156.4 C/SHSI 74
	TSN 7954.4
	RH ENGINE TSO 873.2 CSO 550
	SHSI 873.2 C/SHSI 550
	TSN 7954.4
	LH/RH PROPELLERS TSO 510.5
	CABIN HEATER TSN 70.2
	COMPLIED WITH INSPECTION EVENTS 1&2 AND PERFORMED SPECIAL INSPECTION ITEMS 100, 300, AND 500 HOUR AS PER MANUFACTURES MAINTENANCE PROGRAM. I.A.W. WITH FAR 91.409 (E0)(F)(3).
	COMPLIED WITH THE FOLLOWING AD'S
	AD75-11-04 ENGINE CHIP DETECTORS.
	AD80-26-05 LANDING GEAR DOORS.
	AD82-27-13R2 FLAP TRANSMISSION.
	AD2003-24-7 RUDDER TORQUE TUBE.
	AD2004-25-16R1 HEATER FUEL VALVE.
	AD2005-18-20 PROPELLER DEICE BOOTS INSPECTION.
	ALL WORK PERFORMED I.A.W. MANUFACTURES MAINTENANCE PROGRAM.
	
	JOHN R. SOLONYNKA
	A&P 3031683





# ENGINE SERVICE RECORD

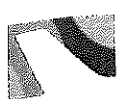
ENGINE SERIAL NO. \_\_\_\_\_

MODEL \_\_\_\_\_

ACCUMULATIVE TOTALS

HOURS		CYCLES	
SINCE	SINCE	SINCE	SINCE

DESCRIPTION OF WORK PERFORMED



DES MOINES  
FLYING SERVICE

INTERNATIONAL AIRPORT  
PO BOX 35126 - DES MOINES, IOWA 50315-0302  
TELEPHONE (515) 256-5300 - FAX (515) 256-5537  
dmfs.com

06/30/2014 N515Z PIPER PA 31T SN 31T-7820061  
HOBBS: 930.5 TOTAL: 8061.8 HEATER HOBBS: 499.5

L ENGINE	MAKE P&W	MODEL PT6A-28	SERIAL No PCE-51702	TOTAL 8061.8	SMOH 2079.4

Complied with an Event 1 and 2 Inspection per Piper Cheyenne Progressive Inspection 100 Hour Cycle Manual, PN 761-644 dated 10/27/1994

1. C/W 1000 Hour special inspection, P&W SB 1002R29 regarding rotor component life. All rotor components within service life limits.
2. Remove and replace LH and RH propeller beta brush blocks PN CA3026.
3. Remove LH and RH starter-generators from engine, install new brushes (8) PN 30010-1026, reinstall starter-generators.
4. Remove and replace LH-RH starter-generators and air conditioning drive spline drive seals PN 3022375 and AS3209-029 o-rings.
5. C/W LH and RH 300 Hour starter-generator/air conditioning spline inspection and lube.
6. C/W 1000 Hour LH and RH oil filter replacement (2) PN 3070976-01
7. C/W 1000 Hour P3 filter replacement PN 3023073, left and right engines.
8. C/W Piper SB 1248 replacement of LH and RH oil inlet hoses PN 565-936. Life limit 8 years.
9. Installed new engine igniter's (4) PN CH34055, LH and RH engines

I certify that this **Engine** has been inspected in accordance with an **Event 1 and 2** Inspection following the inspections and procedures of the Approved Inspection Program of this aircraft under CFR Part 91.409 (f) Option 3 and was determined to be in an **airworthy** condition. Other details of this inspection are on file at this agency under Work Order No. **18877**

Date Signed 06/30/2014:


*Paul Cawthorn*  
Paul Cawthorn

Des Moines Flying Service, Inc., FAA CRS G9CR485J

# ENGINE SERVICE RECORD

*DallasAirmotive.*

ENGINE SERIAL NO. \_\_\_\_\_ MODEL \_\_\_\_\_

DATE	ACCUMULATIVE TOTALS				DESCRIPTION OF WORK PERFORMED
	HOURS		CYCLES		
	SINCE NEW	SINCE O/H	SINCE NEW	SINCE O/H	
					<p><b>SEMO Aviation Services LLC</b></p> <p>Poplar Bluff Municipal Airport, Poplar Bluff, MO 63901 (573) 714-6385</p> <p><b>Left Engine</b></p> <p><b>Pratt &amp; Whitney PT6A-28</b></p> <p><b>Hobbs: 981.9</b></p> <p><b>SMOH: 2130.8 SHOT: 315.2</b></p> <p><b>Total Time: 8113.2</b></p> <p>Completed Event 1 &amp; 2 inspection. Oil filter was cleaned. Fuel and hydraulic filters replaced. Engine lubricated per lube chart. Inboard broken tab below exhaust, fabricated and installed new mounting tab. Inspection was done in accordance with Piper Progressive Inspection manual P/N 761-520.</p> <p>This aircraft, airframe, aircraft engine, or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service with respect to the work performed.</p> <div style="text-align: center; margin-top: 20px;">                       Dustin Ramsey A&amp;P 3329376 IA                 </div>

# ENGINE SERVICE RECORD

ENGINE SERIAL NO. \_\_\_\_\_

MODEL \_\_\_\_\_

ACCUMULATIVE TOTALS

HOURS

CYCLES

DESCRIPTION OF WORK PERFORMED

SINCE	SINCE	SINCE	SINCE

## SEMO Aviation Services LLC

Poplar Bluff Municipal Airport, Poplar Bluff, MO 63901 (573) 714-6385

### Left Engine

Pratt & Whitney PT6A-28

Hobbs: 991.3

SMOH: 2140.2 SHOT: 324.6

Total Time: 8122.6

N515Z

S/N: PCE-51702

Date: 6/13/2016

Removed, cleaned, reinstalled, and adjusted rope cable. Ops check completed, no defects noted.

This aircraft, airframe, aircraft engine, or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service with respect to the work performed.



Dustin Ramsey A&P 3329376 IA

# ENGINE SERVICE RECORD

DallasAirmotive.

ENGINE SERIAL NO. \_\_\_\_\_

MODEL \_\_\_\_\_

ACCUMULATIVE TOTALS

DATE	HOURS		CYCLES	
	SINCE	SINCE	SINCE	SINCE
	NEW	OLD	NEW	OLD

DESCRIPTION OF WORK PERFORMED

**SEMO Aviation Services LLC**

Poplar Bluff Municipal Airport, Poplar Bluff, MO 63901 (573) 714-6385

**Left Engine**

**Pratt & Whitney PT6A-28**

**Hobbs: 1007.3**

**SMOH: 2156.2 SHOT: 340.6**

**Total Time: 8138.6**

**N515Z**

**S/N: PCE-51702**

**Date: 08/25/2016**

Completed Event 1 & 2 inspection. Oil filter was cleaned. Installed PT6A 100 hour kit. Installed serviceable rope cable assembly/n: 301-1215, clamp p/n: 301-2534, and clevis rod end p/n: 301-2419. Engine rigging verified after installation of new components. Engine lubricated per lube chart. Inspection was done in accordance with Piper Progressive Inspector manual P/N 761-520.

This aircraft, airframe, aircraft engine, or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service with respect to the work performed.

  
Dustin Ramsey A&P 3329376 IA

# ENGINE SERVICE RECORD

ENGINE SERIAL NO. \_\_\_\_\_

MODEL \_\_\_\_\_

ACCUMULATIVE TOTALS

HOURS		CYCLES	
SINCE NEW	SINCE O/H	SINCE NEW	SINCE O/H

DESCRIPTION OF WORK PERFORMED

## SEMO Aviation Services LLC

Poplar Bluff Municipal Airport, Poplar Bluff, MO 63901 (573) 714-6385

**Left Engine**

**Pratt & Whitney PT6A-28**

**Hobbs: 1007.3**

**SMOH: 2177.7 SHOT: 362.1**

**Total Time: 8160.1**

**N5007**

**S/N: PCE-51702**

**Date: 03/25/2017**

Completed Event 2 inspection. Oil filter was cleaned. Installed PT6A 100 hour kit. Installed 2 new ignitor plugs p/n: CH34055. Engine lubricated per lube chart. Inspection was done in accordance with Piper Progressive Inspection manual P/N 761-520.

This aircraft, airframe, aircraft engine, or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service with respect to the work performed.

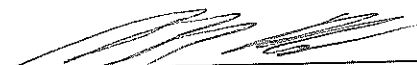
  
 Dustin Ramsey A&P 3329376 IA

# ENGINE SERVICE RECORD

*DallasAirmotive.*

ENGINE SERIAL NO. \_\_\_\_\_

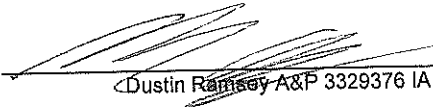
MODEL \_\_\_\_\_

DATE	ACCUMULATIVE TOTALS				DESCRIPTION OF WORK PERFORMED
	HOURS		CYCLES		
	SINCE NEW	SINCE O/H	SINCE NEW	SINCE O/H	
	<p><b>SEMO Aviation Services LLC</b>                      Poplar Bluff Municipal Airport, Poplar Bluff, MO 63901 (573) 714-6385</p> <p><b>Left Engine</b>  <b>Pratt &amp; Whitney PT6A-28</b>                      Hobbs: 1050.5                      SMOH: 2220.9    SHOT: 405.3                      Total Time: 8203.3</p> <p>Completed Event 1 inspection. Oil filter was cleaned. Installed PT6A 100 hour kit. Fuel nozzles were exchanged with fuel nozzle kit from Heritage Turbines. Engine lubricated per lube chart. Inspection was done in accordance with Piper Progressive Inspection manual P/N 761-520.</p> <p>This aircraft, airframe, aircraft engine, or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service with respect to the work performed.</p> <div style="text-align: center; margin-top: 10px;">                       Dustin Ramsey A&amp;P 3329376 IA                 </div>				<p>N5007                      S/N: PCE-51702                      Date: 10/19/2017</p>

# ENGINE SERVICE RECORD

ENGINE SERIAL NO. \_\_\_\_\_

MODEL \_\_\_\_\_


ACCUMULATIVE TOTALS				DESCRIPTION OF WORK PERFORMED
HOURS		CYCLES		
SINCE NEW	SINCE O/H	SINCE NEW	SINCE O/H	
				<p><b>SEMO Aviation Services LLC</b>                      Poplar Bluff Municipal Airport, Poplar Bluff, MO 63901 (573) 714-6385  <b>Left Engine</b>  <b>Pratt &amp; Whitney PT6A-28</b>  <b>Hobbs: 1083.1</b>  <b>SMOH: 2253.5 SHOT: 437.9</b>  <b>Total Time: 8235.9</b></p> <p>Completed Event 2 inspection. Oil filter was cleaned. Installed PT6A 100 hour kit. Engine lubricated per lube chart. Inspection was done in accordance with Piper Progressive Inspection manual p/n: 761-520.</p> <p>This aircraft, airframe, aircraft engine, or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service with respect to the work performed.</p> <p style="text-align: right;">                       Dustin Ramsey A&amp;P 3329376 IA                 </p>

# ENGINE SERVICE RECORD

*DallasAirmotive.*

ENGINE SERIAL NO. \_\_\_\_\_

MODEL \_\_\_\_\_

DATE	ACCUMULATIVE TOTALS				DESCRIPTION OF WORK PERFORMED
	HOURS		CYCLES		
	SINCE NEW	SINCE	SINCE	SINCE	
<p><b>SEMO Aviation Services LLC</b>                      Poplar Bluff Municipal Airport, Poplar Bluff, MO 63901 (573) 714-6385  <b>Left Engine</b>  <b>Pratt &amp; Whitney PT6A-28</b>  <b>Hobbs: 1109.9</b>  <b>SMOH: 2280.3     SHOT: 464.7</b>  <b>Total Time: 8262.7</b></p> <p>Completed Events 1&amp;2 inspections. Oil filter was cleaned. Installed PT6A 100-hour kit. Engine lubricated per lube chart. Inspection was done in accordance with Piper Progressive Inspection manual p/n: 761-520.</p> <p>This aircraft, airframe, aircraft engine, or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service with respect to the work performed.</p> <div style="text-align: right; margin-top: 20px;">                       Dustin Ramsey A&amp;P 3329376 IA                 </div>					<p><b>N5007</b>  <b>S/N: PCE-51702</b>  <b>Date: 5/22/2019</b></p>



# ENGINE SERVICE RECORD

ENGINE SERIAL NO. \_\_\_\_\_

MODEL \_\_\_\_\_

### ACCUMULATIVE TOTALS

HOURS		CYCLES	
SINCE	SINCE	SINCE	SINCE

### DESCRIPTION OF WORK PERFORMED

## SEMO Aviation Services LLC

Poplar Bluff Municipal Airport, Poplar Bluff, MO 63901 (573) 714-6385

### Left Engine

Pratt & Whitney PT6A-28

Hobbs: 17.8

SMOH: 2298.1     SHOT: 482.5

Total Time: 8280.5

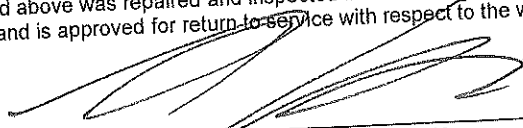
N5007

S/N: PCE-51702

Date: 7/6/2020

Completed Events 1&2 inspections. Oil filter was cleaned. Installed PT6A 100-hour kit. Engine lubricated per lube chart. Inspection was done in accordance with Piper Progressive Inspection manual p/n: 761-520.

This aircraft, airframe, aircraft engine, or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service with respect to the work performed.



Dustin Ramsey A&P 3329376 IA

TT 8280.7 X

Cycles correct

CALL Prime

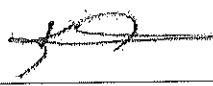
# PRIME TURBINES

485 Airport Road  
Butler, PA 16002  
FAA Certified Repair Station # 3A6R191B

<b>Engine Make:</b>	<b>Engine Model:</b>	<b>Engine Serial Number:</b>
Pratt and Whitney Canada	PT6A-28	PC-E 51702
<b>Engine total time:</b>	<b>Engine total cycles:</b>	<b>Time since overhaul:</b>
13,794.2	1,658	N/A
		<b>Cycles since overhaul:</b>
		N/A

**Work Performed:** Reinstalled Repaired Large Duct, PN 3022582, SN 3259. Reinstalled Small Duct Assy, PN 3018652 SN SAHH83 with 16 New Segments PN E3019438CL5. Reinstalled Trued and Balanced CT Disk Assy, PN 3013411, SN 3P782. Reinstalled Inspected Combustion Liner PN 3024576, SN 051. Reinstalled Cleaned, Inspected and Functionally Tested Nozzles. Reinstalled Power Section to C Flange. Serviced Oil with 2380. Completed leak Checks and Ground Performance Runs. Ops and Leak Checks Ok. This Completes Hot Section Inspection. All Work Performed Per PWC MM 3013242 Rev 52 Dated 1/18/21.

Details on file at Prime Turbines Repair Station under **Work Order #** P3428

**Authorized Signature:**  \_\_\_\_\_ **Date:** 5/26/21

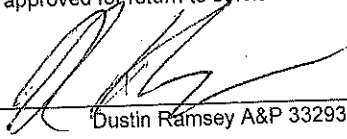
Certifies that the work performed was carried out in accordance with FAA Airworthiness Regulations and in respect to work performed the engine is/are approved for return to service.

# ENGINE SERVICE RECORD

DallasAirmotive.

ENGINE SERIAL NO. \_\_\_\_\_

MODEL \_\_\_\_\_

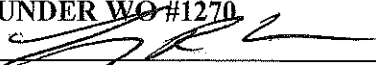
DATE	ACCUMULATIVE TOTALS				DESCRIPTION OF WORK PERFORMED
	HOURS		CYCLES		
	SINCE NEW	SINCE O/H	SINCE NEW	SINCE O/H	
					<p><b>SEMO Aviation Services LLC</b>                      Poplar Bluff Municipal Airport, Poplar Bluff, MO 63901 (573) 714-6385  <b>Left Engine</b>                      Pratt &amp; Whitney PT6A-28                      Hobbs: 18.0                      SMOH: 2298.3    SHOT: 482.7                      Total Time: 8280.7</p> <p>Completed Events 1&amp;2 inspections. Oil filter was cleaned. Installed PT6A 100-hour kit. Engine lubricated per lube chart. Inspection was done in accordance with Piper Progressive Inspection manual p/n: 761-520.</p> <p>This aircraft, airframe, aircraft engine, or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service with respect to the work performed.</p> <p style="text-align: right;">                      Dustin Ramsey A&amp;P 3329376 IA</p>

N5007  
S/N: PCE-51702  
Date: 8/1/2021

# ENGINE SERVICE RECORD

ENGINE SERIAL NO. \_\_\_\_\_

MODEL \_\_\_\_\_

ACCUMULATIVE TOTALS				DESCRIPTION OF WORK PERFORMED
HOURS		CYCLES		
SINCE NEW	SINCE O/H	SINCE NEW	SINCE O/H	
				<p style="text-align: center;"><i>Dispatch Aviation LLC</i>                      9548 Veterans Memorial Blvd. Hangar 29                      Baton Rouge, LA 70807</p> <p><b><u>N5007 Left Engine Log Entry 09/02/2022 Page 1 of 1</u></b>                      Piper PA31T serial #31T-7820061 Hour meter: 65.6 T.T.: 8394.9                      Pratt &amp; Whitney PT6A-28 serial #PCE51702 T.S.O.: 2345.9; T.S.H.S.I.: 530.3</p> <p>Complied with Eyant 1 &amp; 2 Inspections per mfr's instructions. Cleaned ignitors with operational check good. Install 100 hour kit during inspection process. Lube engine per mfr's instructions. Wash engine externally. Ground run good with normal start and performance noted along with no leaks. AD's searched with none due at this time.</p> <p>I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH MFR'S INSTRUCTIONS CONCERNING 100 HOUR ALONG WITH EVENT 1&amp;2 PIPER FORM. THIS ENGINE IS APPROVED FOR A RETURN TO SERVICE WITH DETAILS ON FILE THIS FACILITY UNDER WO #1270.</p> <p>DATE <u>9/2/22</u> Authorized Signature <u></u>                      Larry R. Woodson / A&amp;P 3420756 IA</p>