

N793FE Inspector Review of Powerplant Maintenance History. 11/08/2012

PT6A-114A SN: 17282

TSN:13,466.6; TSO: 5516.1; CSN: 12499; CSO: 4793

Date	Maintenance Accomplished	Aircraft TT	Aircraft Total Landings	Engine Time Since New (TSN)	Engine Time Since Overhaul (TSO)	Engine Cycles Since New (CSN)	Engine Cycles Since Overhaul (CSO)	Propeller Hours.	Maintenance Facility
4/3/2006	Engine removed due to smoke from intake. Engine came off of N994FE.	10624.2 (N994FE)	9797 (N994FE)	10508.7	2558.2	9718	2012	1587.1	The Hanger Inc. CRS [REDACTED]
4/13/2006	Pratt & Whitney returned engine stating deficiency could not be duplicated on test cell.	10624.2 (N994FE)	9797 (N994FE)	10508.7	2558.2	9718	2012	1587.1 (N994FE)	Pratt & Whitney CRS [REDACTED]
4/28/2006	Engine installed & performed mini-check.	7893.4	6498	10508.7	2558.2	9718	2012	299.9	The Hanger Inc. CRS [REDACTED]

N793FE Inspector Review of Powerplant Maintenance History. 11/08/2012

PT6A-114A SN: 17282

TSN:13,466.6; TSO: 5516.1; CSN: 12499; CSO: 4793

Date	Maintenance Accomplished	Aircraft TT	Aircraft Total Landings	Engine Time Since New (TSN)	Engine Time Since Overhaul (TSO)	Engine Cycles Since New (CSN)	Engine Cycles Since Overhaul (CSO)	Popeller Hours.	Maintenance Facility
7/17/2006	Installed repaired fuel nozzels, overhauled PT stator, repaired CT disc, overhauled SE duct, inspected CT bolt, repaired CC liner, repaired CC lines, repaired LE duct, 5 new thermocouples, new wiring harness, new turbine shroud ring retainer, CT vain ring and performed <u>Hot Section.</u>	7970.6	6553		2635.2	9773		377.1	The Hanger Inc. CRS [REDACTED]
8/2/2006	Removed engine for overtemp inspection. Sent to Pratt & Whitney	7970.8	6554		2635.4	9774		377.3	The Hanger Inc. CRS [REDACTED]

N793FE Inspector Review of Powerplant Maintenance History. 11/08/2012

PT6A-114A SN: 17282

TSN:13,466.6; TSO: 5516.1; CSN: 12499; CSO: 4793

Date	Maintenance Accomplished	Aircraft TT	Aircraft Total Landings	Engine Time Since New (TSN)	Engine Time Since Overhaul (TSO)	Engine Cycles Since New (CSN)	Engine Cycles Since Overhaul (CSO)	Popeller Hours.	Maintenance Facility
9/20/2006	P&W inspected and returned to service.			10586.9	2635.4	9774	2068		Pratt & Whitney CRS [REDACTED]
10/6/2006	Installed engine on aircraft.	7970.8	6554	10586.9	2635.4	9774		377.3	The Hanger Inc. CRS [REDACTED]
10/30/2006	Phase 4 inspection	7990.9	6571		2655.9	9791		397.4	Baron Memphis A&P [REDACTED]
1/25/2007	Mini Check inspection	8092.3	6647		2757.3	9867		498.8	Baron Memphis A&P [REDACTED]
4/25/2007	Phase 5 inspection	8190.5	6741		2855.1	9961		597	Abilene Aero Inc. A&P [REDACTED]
7/20/2007	Mini Check inspection and Oil Change	8291.2	6844		2955.9	10064		679.7	Abilene Aero Inc. A&P [REDACTED]
9/28/2007	Phase 6 inspection	8391.3	6935		3055.9	10155		797.8	Abilene Aero Inc. A&P [REDACTED]
12/8/2007	Mini Check inspection	8491.3	7036		3155.9	10256		897.8	Abilene Aero Inc. A&P [REDACTED]

N793FE Inspector Review of Powerplant Maintenance History. 11/08/2012

PT6A-114A SN: 17282

TSN:13,466.6; TSO: 5516.1; CSN: 12499; CSO: 4793

Date	Maintenance Accomplished	Aircraft TT	Aircraft Total Landings	Engine Time Since New (TSN)	Engine Time Since Overhaul (TSO)	Engine Cycles Since New (CSN)	Engine Cycles Since Overhaul (CSO)	Popeller Hours.	Maintenance Facility
3/10/2008	Phase 7 & Oil Change	8594.2	7129		3257	10350		998.9	Abilene Aero Inc. A&P [REDACTED]
8/6/2008	Mini Check inspection	8694.2	7247		3358.8	10468		1100.7	Trego / Dugan Aviation Inc. A&P [REDACTED]
11/17/2008	Phase 8 inspection	8798.1	7338		3462.7	10559		1204.6	Baron Memphis A&P [REDACTED]
2/16/2009	Mini Check inspection	8890.4	7426		3555.1	10647		1296.9	Abilene Aero Inc. A&P [REDACTED]
4/30/2009	Phase 9 inspection & Borescope	8990.1	7536		3654.7	10757		1396.6	Abilene Aero Inc. A&P [REDACTED]
8/11/2009	Mini Check inspection	9095.3	7634		3759.9	10855		1501.8	Baron Memphis A&P [REDACTED]
10/15/2009	Phase 10 & 11 and a Mini Check inspection	9190.9	7699		3855.5	10920		1597.4	Baron Memphis A&P [REDACTED]

N793FE Inspector Review of Powerplant Maintenance History. 11/08/2012

PT6A-114A SN: 17282

TSN:13,466.6; TSO: 5516.1; CSN: 12499; CSO: 4793

Date	Maintenance Accomplished	Aircraft TT	Aircraft Total Landings	Engine Time Since New (TSN)	Engine Time Since Overhaul (TSO)	Engine Cycles Since New (CSN)	Engine Cycles Since Overhaul (CSO)	Popeller Hours.	Maintenance Facility
12/23/2009	Mini Check inspection	9294.1	7792		3958.7	11013		1700.6	Baron Memphis A&P [REDACTED]
2/26/2010	Phase 12 inspection	9393.8	7857		4058.4	11078		1800.3	Baron Memphis A&P [REDACTED]
5/24/2010	Mini Check inspection	9498	7968		4162.6	11190		1904.5	Baron Memphis A&P [REDACTED]
8/17/2010	Phase 1 & Borescope inspections	9590.4	8053		4255	11274		1996.9	Abilene Aero Inc. A&P [REDACTED]
10/15/2010	Mini Check & oil change	9695.7	8162		4360.3	11383		2102.2	Abilene Aero Inc. A&P [REDACTED]
12/6/2010	Phase 2 & Borescope inspections	9792.6	8249		4457.2	11470		2199.1	Abilene Aero Inc. A&P [REDACTED]
1/28/2011	Mini Check inspection	9897.5	8343		4561.4	11563		2304	Abilene Aero Inc. A&P [REDACTED]
3/18/2011	Phase 3 & Borescope inspections and Oil Change	9990	8426		4653.9	1164.6		2386.8	Abilene Aero Inc. A&P [REDACTED]

N793FE Inspector Review of Powerplant Maintenance History. 11/08/2012

PT6A-114A SN: 17282

TSN:13,466.6; TSO: 5516.1; CSN: 12499; CSO: 4793

Date	Maintenance Accomplished	Aircraft TT	Aircraft Total Landings	Engine Time Since New (TSN)	Engine Time Since Overhaul (TSO)	Engine Cycles Since New (CSN)	Engine Cycles Since Overhaul (CSO)	Propeller Hours.	Maintenance Facility
4/21/2011	Removed and replaced propeller and installed missing mounting swivel joint retaining plate.	10047.1	8484		4711	11704		0	Abilene Aero Inc. A&P [REDACTED]
6/3/2011	Mini Check inspection	10091.2	8534		4755.1	11754		44.1	Abilene Aero Inc. A&P [REDACTED]
8/17/2011	Phase 4 and Borescope inspections	10190.5	8640		4854.4	11860		143.4	Abilene Aero Inc. A&P [REDACTED]
10/25/2011	Mini Check inspection	10292.4	8743		4956.3	11963		245.3	Abilene Aero Inc. A&P [REDACTED]
1/4/2012	Phase 5 & engine driven fuel pump separator inspections, Oil Change, Engine fuel filter change	10391.3	8841		5055.2	12061		344.2	Abilene Aero Inc. A&P [REDACTED]
2/17/2012	Mini Check inspection	10495.1	8940		5159	12160		448	Abilene Aero Inc. A&P [REDACTED]

N793FE Inspector Review of Powerplant Maintenance History. 11/08/2012
PT6A-114A SN: 17282
TSN:13,466.6; TSO: 5516.1; CSN: 12499; CSO: 4793

Date	Maintenance Accomplished	Aircraft TT	Aircraft Total Landings	Engine Time Since New (TSN)	Engine Time Since Overhaul (TSO)	Engine Cycles Since New (CSN)	Engine Cycles Since Overhaul (CSO)	Popeller Hours.	Maintenance Facility
5/4/2012	Phase 6 inspection	10591	9024		5254.9	12244		543.9	Abiline Aero Inc. A&P [REDACTED]
7/12/2012	Mini Check inspection	10690.3	9122		5354.2	12342		643.2	Abiline Aero Inc. A&P [REDACTED]
9/28/2012	Phase 7 inspection	10790.6	9224	13405	5454.5	12444	4738	743.5	Baron Memphis A&P [REDACTED]
10/31/2012	Aircraft Flight Record last entry.	10852.2	9279	13466.6	5516.1	12499	4793	805.1	

This review of the maintenance history on the above stated engine was conducted by Airworthiness Inspectors Samuel J. Ragin and Kenneth L. Marsh. This history was reviewed for the purpose of establishing a timeline in recent history of the maintenance conducted on a PT6A-114A (SN: 17282), which was installed on aircraft registration number N793FE at the time of a fatal accident that occurred on 11/06/2011.


[REDACTED]
Samuel J. Ragin
Aviation Safety Inspector
ACE-FSDO-07, Wichita KS


[REDACTED]
Kenneth L. Marsh
Aviation Safety Inspector
ACE-FSDO-07, Wichita KS