

SINGLE TURBOPROP POWERED AIRCRAFT ACCIDENT ANALYSIS

U.S. and Canadian Fleet

Aircraft Certification through 2008

PILATUS BUSINESS AIRCRAFT

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by

ROBERT E. BREILING ASSOCIATES, INC.
765 N.E. 35th Street, Suite B
Boca Raton, FL 33431
(561) 338-6900

ROBERT E. BREILING ASSOCIATES

CE-208/ TBM-700/ PC-12/ PA-46-500TP Accident Involvement Comparative Data

U.S. and Canadian Registered Fleets - Aircraft Introduction through 2008

	<u>CE-208</u>	<u>TBM-700/ TBM-850*</u>	<u>PC-12</u>	<u>PA-46-500TP</u>	<u>kingAIR BE-200</u>
Fleet Size (Year end 2008)**	925	294	606	292	
Hours Flown	6,521,167	516,989	1,633,536	330,590	
Accidents	127	17	16	19	82
Fatal Accidents	45	7	5	8	24
Accidents due Power Loss/ Mechanical Malf/Failure	12	0	3	1	2
Accidents per 100,000 hrs.	1.95	3.28	0.98	5.75	0.96
Fatal Accidents per 100,000 hrs.	0.69	1.35	0.31	2.42	0.28
Power Loss Accident Rate per 100,000 flight hours	0.18	0	0.18	0.30	0.023
Power Loss Fatal Accident Rate per 100,000 flight hours	0	0	0	0	0.012

** Active fleet size data supplied by AvData, Inc.

The following pages summarize accident involvement of each aircraft.

U.S. and Canada Business Turboprop Fleet - Flight Hours - Accidents - Accident Rates

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Accident Rates (Accidents per 100,000 flight hours)

<u>Aircraft</u>	<u>Accidents</u>	<u>Fatal Accidents</u>	<u>Cumulative Flight Hours</u>	<u>Accident Rate</u>	<u>Fatal Accident Rate</u>
BE-90 King Air	216	67	11,269,287	1.92	0.59
BE-100 King Air	49	17	2,536,786	1.93	0.67
BE-200 King Air	90	26	9,372,233	0.96	0.28
BE-300 King Air	9	2	1,215,838	0.74	0.16
BE-350 King Air	0	0	1,237,546	0	0
CE-425 Conquest I	23	9	1,600,542	1.44	0.56
CE-441 Conquest II	38	19	1,947,184	1.95	0.98
CE-208 Caravan	127	45	6,521,167	1.95	0.69
PA-31T/42 Cheyenne I/II	85	37	4,890,981	1.74	0.76
PA-46TP-500	19	8	330,590	5.75	2.42
P-180 Avanti	3	0	167,721	1.79	0
Turbo Cdr. Series	135	53	3,961,063	3.41	1.34
Gulfstream I (G-159)	16	4*	1,783,613	0.90	0.22
Mitsubishi MU-2	196	85	5,076,441	3.86	1.67
Merlin II/III/IV	129	31	3,129,722	4.12	0.99
Socata TBM-700/850	17	7	516,989	3.29	1.35
Pilatus PC-12	16	5*	1,633,536	0.98	0.31
Twin TP Fleet Average	989	350	48,188,987	2.05	0.73
Single TP Average	179	65	9,002,282	1.99	0.72

Accident rates are predicated on all operational accidents regardless of the aircraft use and/or exposure

* Fatal incident included