Cessna 172	*	Yea		*					_	5/23/15							6/9/15		
Total * accidents	1553		F	First Flights < 0	2 1	otal Accidents			F	First Flights	2	6			Flag - 7/18 ged roll-up		s to look fo	over 2, ins	tead of just 3
Fatal Accidents	203	13.1%		0.0% 732	0.3% F 0	Tatal Accidents	203	13.1%		0.0% 732	0.3% 0								
Average Pilot Hours Median Pilot Hours	1265 194	In Type In Type		Av. Acc/Yr		age Pilot Hours ian Pilot Hours		In Type In Type		Av. Acc/Yı	119.5								
Median Fatal	300	In Type				Median Fatal	300	In Type											
Average Aircraft Hours/year Less Time in Type	333.2 635	98.0%	648	Threshold	0	raft Hours/year s Time in Type		97.99%	648										
First Flight Purchased	0	0.00%		Threshold		ght Purchased		0.00%											
Median Time in Type if Purchased Max Time in Type	80 26000																		
	Each Accident Is	s 0.06%	of the Tota	I	E	Baseline Cessna													
Pilot Miscontrol	<u>Primary Only</u> 947	61.0%	<u>Both</u> 953	61.4%		Primary Only 947	61.0%	Both 953	61.4%										
Builder Error	5	0.3%	5	0.3%		5	0.3%	5	0.3%										
Maintenance Error Undetermined Loss of Power	32 53	2.1% 3.4%	35 54	2.3% 3.5%		32 53	2.1% 3.4%	35 54	2.3% 3.5%										
Engine Mechanical	36	2.3%	104	6.7%		36	2.3%	104	6.7%										
Engine Controller/Electronic Ignition	0	0.0%	0	0.0%		0	0.0%	0	0.0%										
Fuel System Landing Gear/Brakes	11 8	0.7% 0.5%	16 17	1.0% 1.1%		11 8	0.7% 0.5%	16 17	1.0% 1.1%										
Other Mechanical	20	1.3%	28	1.8%		20	1.3%	28	1.8%										
Fuel Exhaustion Fuel Starvation	89 10	5.7% 0.6%	93 10	6.0% 0.6%		89 10	5.7% 0.6%	93 10	6.0% 0.6%										
Carb Ice	24	1.5%	25	1.6%		24	1.5%	25	1.6%										
VFR to IFR Manuevering at low alt	55 54	3.5% 3.5%	60 55	3.9% 3.5%		55 54	3.5% 3.5%	60 55	3.9% 3.5%										
Inadequate Preflight	17	1.1%	26	1.7%		17	1.1%	26	1.7%										
Fuel Contamination	12	0.8%	14	0.9%		12	0.8%	14	0.9%										
Midair Collision Turbulence/Winds	35 6	2.3% 0.4%	36 8	2.3% 0.5%		35 6	2.3% 0.4%	36 8	2.3% 0.5%										
Loss of Control (Unknown)	7	0.5%	7	0.5%		7	0.5%	7	0.5%										
Taxi Accident Undetermined	10 9	0.6% 0.6%	10 9	0.6% 0.6%		10 9	0.6% 0.6%	10 9	0.6% 0.6%										
Other	115	7.4%	525	33.8%		115	7.4%	525	33.8%					_					
	1555	100.1%				1555	100.1%						Year	By year *	Overall		Year	*	Overall
Power Loss (Any Cause) By Flag	236	15.2%				236	15.2%						1998	121	121		2008	151	151
All Mechanical Compare Primary	112	7.2%						Percenta	are of ALL	_ accidents			1999 2000	112 100	112 100		2009 2010	108 119	108 119
	*	Overall			(Percent of time Su			liscontrol)					2001	102	102		2011	0	0
Landing Gear/Brakes	0.5%	0.5%		Mi	iscontrol Subevents	-	Baseline		*	Baseline			2002	112	112		2012	0 0	0
Other Mechanical Undetermined Loss of Power	1.3% 3.4%	1.3% 3.4%		Failure to	Winds o maintain airspeed		25.7% 7.5%		15.6% 4.6%	15.6% 4.6%			2003 2004	115 89	115 89		2013	0	0
Fuel System	0.7%	0.7%			Other loss of contro		0.4%		0.3%	0.3%			2005	157	157				
Engine Mechanical Builder/Manufacturer Error	2.3% 0.3%	2.3% 0.3%		Engine	e Types in Acciden	r *	Baseline		FF	0	0.0%		2006 2007	121 146	121 146				
Maintenance Error	2.1%	2.1%		Light	Traditiona		64.5%		10 Not FF	-	0%		2007	140	140				
Inadequate Preflight Carb Ice	1.1% 1.5%	1.1% 1.5%		Afte	ermarket Traditiona Foreigr		0.0% 0.0%			Aire	raft Total Ti	me - Filtered f	for *	Aire	raft Total T	ime - Overal	l Floot	Timo	in Type
Manuevering at low alt	3.5%	3.5%			Non-Cert 4 Stroke		0.0%				nulative	Individual C			ulative	Individual C			ed for *
VFR to IFR	3.5%	3.5%			Auto Conversior		0.0%	0	Hours	*	* Percent	*	* Percent	t Number	Overall %	Number	Bin %	*	* Percent
Fuel Exhaustion/Starvation Pilot Miscontrol	6.4% 61.0%	6.4% 61.0%			Two Stroke Turbine		0.0% 0.0%	0 10	First Fligl <=10	h 0 0	0.0% 0.0%	0 0	0.0% 0.0%	0	0.0% 0.0%	0 0	0.0% 0.0%	8 69	0.9% 8.1%
					Not Specified	35.5%	35.5%	20	<=20	1	0.1%	1	0.1%	1	0.1%	1	0.1%	140	16.3%
Total Pilot Error Total All Error	77.0% 79.4%	77.0% 79.4%	Accide	ents referencir	ng Airspeed Contro	l 5.3%	5.3%	30 40	<=30 <=40	1 2	0.1% 0.3%	0 1	0.0% 0.1%	1 2	0.1% 0.3%	0 1	0.0% 0.1%	198 263	23.1% 30.7%
Mechanical	10.6%	10.6%				83		50	<=50	2	0.3%	0	0.0%	2	0.3%	0	0.0%	308	35.9%
	*	Overall						60 70	<=60 <=70	2 4	0.3% 0.5%	0 2	0.0% 0.3%	2 4	0.3% 0.5%	0 2	0.0% 0.3%	352 391	41.1% 45.6%
Other Mechanical	1.3%	1.3%						70 80	<=70 <=80	4 5	0.5% 0.7%	2 1	0.3% 0.1%	5	0.5% 0.7%	2 1	0.3% 0.1%	391 429	45.6% 50.1%
Undetermined Loss of Power	3.4%	3.4%			*	NI, 1996		90 100	<=90	6	0.8%	1	0.1%	6	0.8%	1	0.1%	458	53.4%
Fuel System Engine Mechanical	0.7% 2.3%	0.7% 2.3%		# with A	F Hours 732	Number 732		100 200	<=100 <=200	8 19	1.1% 2.6%	2 11	0.3% 1.5%	8 19	1.1% 2.6%	2 11	0.3% 1.5%	484 636	56.5% 74.2%
Builder/Manufacturer Error	0.3%	0.3%	# v	with AF Hours	and FF 732	732		300	<=300	26	3.6%	7	1.0%	26	3.6%	7	1.0%	700	81.7%
Maintenance Error Pilot Error	2.1% 77.0%	2.1% 77.0%		# with Ti	iT Hours 857			400 500	<=400 <=500	37 45	5.1% 6.1%	11 8	1.5% 1.1%	37 45	5.1% 6.1%	11 8	1.5% 1.1%	728 752	84.9% 87.7%
								600	<=600	52	7.1%	7	1.0%	52	7.1%	5 7	1.0%	766	89.4%
								700 800	<=700 <=800	59 62	8.1% 8.5%	7 3	1.0% 0.4%	59 62	8.1% 8.5%	7 3	1.0% 0.4%	780 792	91.0% 92.4%
Overall Causes	*	Percent	Overall	Percent				900	<=900	69	9.4%	7	1.0%	69	9.4%	3 7	1.0%	803	93.7%
Loss of Power (Undetermined)	53	3.4%	53	3.4%				1000	<=1000		10.1%	5	0.7%	74	10.1%	5	0.7%	809	94.4% 07.2%
Stick and Rudder Pilot Decisionmaking	947 311	60.5% 19.9%	947 311	60.5% 19.9%				1500 2000	<=1500 <=2000		14.1% 17.5%	29 25	4.0% 3.4%	103 128	14.1% 17.5%	29 25	4.0% 3.4%	834 847	97.3% 98.8%
Mechanical Issues	112	7.2%	112	7.2%															
Undetermined Other (Primary Only)	9 132	0.6% 8.4%	9 132	0.6% 8.4%				Lo		wer Issues as of Power	* 236	Overall 236							
Total	1564	100.0%	1564	100.0%				Loss	s of Powe	r (Primary)	182	182							
Total		All	*	All			Mech	and Unde		Mechanical Combined	48 1553	48 1553							
	*	AII		730			MECH			an Factors		112							
<b>Rating</b> None	13	13	0.9%	0.9%							112								
<b>Rating</b> None Student	13 255	13 255	16.7%	16.7%				Hun		ors Primary	135	135							
<b>Rating</b> None	13	13				Perce	ent of Tota		nan Facto										
Rating None Student Sport Private CFI	13 255 0 893 90	13 255 0 893 90	16.7% 0.0% 58.6% 5.9%	16.7% 0.0% 58.6% 5.9%	Ρ	Perce ercent of Total		I Accident	nan Facto s with Pov	ors Primary wer Failure	135	135							
Rating None Student Sport Private	13 255 0 893	13 255 0 893	16.7% 0.0% 58.6%	16.7% 0.0% 58.6%	Ρ			I Accident	nan Facto s with Pov	ors Primary wer Failure	135 15.1%	135 15.1%							

Cessna 210	*	Yea				, are P210s, T2	10s, etc.			5/23/15							6/9/15		
<u>Total * accidents</u>	370			First Flights < 0	0	Total Accidents			F	First Flights 0	0				Flag - 7/18 ged roll-up		ss to look for	over 2, inst	stead of just 3
Fatal Accidents	86	23.2%		0.0% 285	0.0% 0	Fatal Accidents	s 86	23.2%		0.0% 285	0.0% 0								
Average Pilot Hours Median Pilot Hours	2736 1468	In Type In Type		Av. Acc/Yr		erage Pilot Hours		In Type In Type		Av. Acc/Yı	37.0								
Median Fatal	1440	In Type				Median Fata	l 1440	In Type											
Average Aircraft Hours/year Less Time in Type	133.5 231	96.7%	239	Threshold	0	rcraft Hours/yea ess Time in Type		96.65%	239										
First Flight Purchased Median Time in Type if Purchased	0 340	0.00%		Threshold		Flight Purchased Total Purchased		0.00%	0										
Max Time in Type	15000		_						0										
Total Purchased	0		0																
	Each Accident Is Primary Only	0.27%	of the Tota <u>Both</u>	al		Baseline Cessr Primary Only		Both											
Pilot Miscontrol	130	35.1%	134	36.2%		130	35.1%	134	36.2%										
Builder Error Maintenance Error	2 33	0.5% 8.9%	2 38	0.5% 10.3%		2 33	0.5% 8.9%	2 38	0.5% 10.3%										
Undetermined Loss of Power	35	9.5%	35	9.5%		35	9.5%	35	9.5%										
Engine Mechanical Engine Controller/Electronic Ignition	24 0	6.5% 0.0%	75 0	20.3% 0.0%		24 0	6.5% 0.0%	75 0	20.3% 0.0%										
Fuel System	6	1.6%	11	3.0%		6	1.6%	11	3.0%										
Landing Gear/Brakes Other Mechanical	28 12	7.6% 3.2%	33 21	8.9% 5.7%		28 12	7.6% 3.2%	33 21	8.9% 5.7%										
Fuel Exhaustion	33	8.9%	33	8.9%		33	8.9%	33	8.9%										
Fuel Starvation Carb Ice	17 0	4.6% 0.0%	17 0	4.6% 0.0%		17 0	4.6% 0.0%	17 0	4.6% 0.0%										
VFR to IFR	16	4.3%	17	4.6%		16	4.3%	17	4.6%										
Manuevering at low alt Inadequate Preflight	2 1	0.5% 0.3%	2 2	0.5% 0.5%		2 1	0.5% 0.3%	2 2	0.5% 0.5%										
Fuel Contamination	2	0.5%	3	0.8%		2	0.5%	3	0.8%										
Midair Collision Turbulence/Winds	4	1.1% 0.3%	4	1.1% 0.3%		4	1.1% 0.3%	4	1.1% 0.3%										
Loss of Control (Unknown)	4	1.1%	4	1.1%		4	1.1%	4	1.1%										
Taxi Accident Undetermined	0	0.0% 0.5%	0 2	0.0% 0.5%		0 2	0.0% 0.5%	0	0.0% 0.5%										
Other	18	4.9%	59	15.9%		18	4.9%	59	15.9%					-					
	370	100.0%				370	100.0%						Year	By year *	Overall		Year	*	Overall
Power Loss (Any Cause) By Flag All Mechanical	117 105	31.6% 28.4%				117	31.6%						1998 1999	28 49	28 49		2008 2009	0	0 0
Compare Primary									ge of ALL	_ accidents			2000	35	35		2010	0	0
Landing Gear/Brakes	* 7.6%	Overall 7.6%			(Percent of time S iscontrol Subever		volved in M Baseline	,	*	Baseline			2001 2002	44 33	44 33		2011 2012	0	0 0
Other Mechanical	3.2%	3.2%		<u>IVII</u>	Win		13.8%		4.9%	4.9%			2002	33 37	33 37		2012	0	0
Undetermined Loss of Power	9.5%	9.5%			o maintain airspe		3.8%		1.4%	1.4%			2004	33	33				
Fuel System Engine Mechanical	1.6% 6.5%	1.6% 6.5%		(	Other loss of conti	rol 0.0%	0.0%		0.0%	0.0%			2005 2006	36 45	36 45				
Builder/Manufacturer Error	0.5%	0.5%		Engine	e Types in Accide		Baseline		FF	0	0.0%		2007	30	30				
Maintenance Error Inadequate Preflight	8.9% 0.3%	8.9% 0.3%		Afte	Traditior ermarket Traditior		100.0% 0.0%	<=	10 Not FF	0	0%								
Carb Ice	0.0%	0.0%			Foreig	gn 0.0%	0.0%					me - Filtered fo				ime - Overa			in Type
Manuevering at low alt VFR to IFR	0.5% 4.3%	0.5% 4.3%			Non-Cert 4 Strol Auto Conversio		0.0% 0.0%		Hours	Curr *	nulative * Percent	Individual Co	* Percen		ulative Overall %	Individual C Number	Bin %	+ilter	red for * * Percent
Fuel Exhaustion/Starvation	13.5%	13.5%			Two Stro	ke 0.0%	0.0%	0	First Flig		0.0%	0	0.0%	0	0.0%	0	0.0%	2	0.7%
Pilot Miscontrol	35.1%	35.1%			Turbii Not Specifi		0.0% 0.0%	10 20	<=10 <=20	0 0	0.0% 0.0%	0 0	0.0% 0.0%	0	0.0% 0.0%	0 0	0.0% 0.0%	10 19	3.3% 6.3%
Total Pilot Error	53.8%	53.8%	Accid	ents referencir	ng Airspeed Conti		7.0%	30	<=30	0	0.0%	0	0.0%	0	0.0%	0	0.0%	35	11.6%
Total All Error Mechanical	63.2% 37.8%	63.2% 37.8%				26		40 50	<=40 <=50	0 0	0.0% 0.0%	0 0	0.0% 0.0%	0 0	0.0% 0.0%	0 0	0.0% 0.0%	41 54	13.5% 17.8%
								60	<=60	0	0.0%	0	0.0%	0	0.0%	0	0.0%	61	20.1%
Other Mechanical	* 3.2%	Overall 3.2%						70 80	<=70 <=80	0 0	0.0% 0.0%	0 0	0.0% 0.0%	0 0	0.0% 0.0%	0 0	0.0% 0.0%	63 66	20.8% 21.8%
Undetermined Loss of Power	9.5%	9.5%						90	<=90	0	0.0%	0	0.0%	0	0.0%	0	0.0%	72	23.8%
Fuel System Engine Mechanical	1.6% 6.5%	1.6% 6.5%		# with A	* AF Hours 285	Number 285		100 200	<=100 <=200	0 0	0.0% 0.0%	0 0	0.0% 0.0%	0 0	0.0% 0.0%	0 0	0.0% 0.0%	77 112	25.4% 37.0%
Builder/Manufacturer Error	0.5%	0.5%	#	with AF Hours	s and FF 285	285		300	<=300	0	0.0%	0	0.0%	0	0.0%	0	0.0%	142	46.9%
Maintenance Error Pilot Error	8.9% 53.8%	8.9% 53.8%		# with Ti	iT Hours 303			400 500	<=400 <=500	0 0	0.0% 0.0%	0	0.0% 0.0%	0	0.0% 0.0%	0 0	0.0% 0.0%	161 177	53.1% 58.4%
		001070						600	<=600	0	0.0%	0	0.0%	0	0.0%	0	0.0%	193	63.7%
								700 800	<=700 <=800	0 0	0.0% 0.0%	0 0	0.0% 0.0%	0 0	0.0% 0.0%	0 0	0.0% 0.0%	207 228	68.3% 75.2%
Overall Causes	*	Percent	Overall	Percent				900	<=900	1	0.4%	1	0.4%	1	0.4%	1	0.4%	238	78.5%
Loss of Power (Undetermined) Stick and Rudder	35 130	9.4% 34.9%	35 130	9.4% 34.9%				1000 1500	<=1000 <=1500		0.7% 5.3%	1 13	0.4% 4.6%	2 15	0.7% 5.3%	1 13	0.4% 4.6%	249 271	82.2% 89.4%
Pilot Decisionmaking	76	20.4%	76	20.4%				2000	<=2000		11.6%	18	6.3%	33	11.6%	18	6.3%	279	92.1%
Mechanical Issues Undetermined	105 2	28.2% 0.5%	105 2	28.2% 0.5%					ss of Pov	ver Issues	*	Overall							
Other (Primary Only)	24	6.5%	24	6.5%					Any Los	s of Power	117	117							
Total	372	100.0%	372	100.0%				Loss		r (Primary) Mechanical	82 30	82 30							
Rating	*	All	*	All			Mech	and Unde	termined	Combined	370	370							
None Student	0 2	0 2	0.0% 0.6%	0.0% 0.6%				Hun		an Factors	52 52	52 52							
Sport	- 1	1	0.3%	0.3%						-									
Private CFI	222 29	222 29	61.5% 8.0%	61.5% 8.0%		Percent of Tota	cent of Tota LAccidents				31.5% 22.0%	31.5% 22.0%							
			0.070								0/0	070							
Commercial	90	90	24.9%	24.9%															
Commercial ATP	90 17 361	90 17 361	24.9% 4.7%	24.9% 4.7%															

Enter Aircraft Name:	Cherokee 140	Gen	г Тура	*						-	A	dded Pilot	TIT cated	gory	7/4/2010		6/9/15	
					<b>-</b>		400				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				Flag - 7/18		5, 6, 10	
Total Cherokee 140 accidents Fatal Accidents	<b>180</b> 38	21.1%				otal Accidents atal Accidents		21.1%										
Average Pilot Hours Median Pilot Hours	1434 430	In Type In Type				ge Pilot Hours an Pilot Hours		In Type In Type										
Median Fatal Average Aircraft Hours/year	450 143.7	In Type	63		Average Aircra	Median Fatal		In Typ	e 63									
Average Aneralt Hours/year	1-0.7				Average Aller	art riours/year	140.7											
	Each Accident Is Primary Only	s 0.56%	of the Total			All Primary Only		Both										
Pilot Miscontrol	<u>71</u>	39.4%	Both 72	40.0%		71	39.4%	72	40.0%									
Builder Error	0	0.0%	0	0.0%		0	0.0%	0	0.0%									
Maintenance Error	9	5.0%	9	5.0%		9	5.0%	9	5.0%									
Indetermined Loss of Power	13	7.2%	13	7.2%		13	7.2%	13	7.2%									
Engine Mechanical	7	3.9%	21	11.7%		7	3.9%	21	11.7%									
Engine Controller/Electronic Ignition	0	0.0%	0	0.0%		0	0.0%	0	0.0%									
Fuel System	1	0.6%	7	3.9%		1	0.6%	7	3.9%									
Landing Gear/Brakes	3	1.7%	4	2.2%		3	1.7%	4	2.2%									
Other Mechanical	4	2.2%	6	3.3%		4	2.2%	6	3.3%									
Fuel Exhaustion	11	6.1%	11	6.1%		11	6.1%	11	6.1%									
Fuel Starvation Carb Ice	8	4.4% 2.2%	8 4	4.4% 2.2%		8	4.4% 2.2%	8 4	4.4% 2.2%									
/FR to IFR	4 12	2.2% 6.7%	4 12	2.2% 6.7%		4 12	2.2% 6.7%	4 12	2.2% 6.7%									
Manuevering at low alt	6	3.3%	8	4.4%		6	3.3%	8	4.4%									
nadequate Preflight	2	1.1%	2	1.1%		2	1.1%	2	1.1%									
Fuel Contamination	2	1.1%	2	1.1%		2	1.1%	2	1.1%									
Vidair Collision	2	1.1%	2	1.1%		2	1.1%	2	1.1%									
Furbulence/Winds	1	0.6%	3	1.7%		1	0.6%	3	1.7%									
Loss of Control (Unknown)	0	0.0%	0	0.0%		0	0.0%	0	0.0%									
Taxi Accident	1	0.6%	1	0.6%		1	0.6%	1	0.6%									
Undetermined	3	1.7%	3	1.7%		3	1.7%	3	1.7%									
Other	20 180	11.1% 100.0%	66	36.7%		20 180	11.1% 100.0%	65	36.1%					By year				
Power Loss (Any Cause) By Flag	46	25.6%			9.4%	46	25.6%						Year 1998	herokee 1 0	Overall ، 0		Year 2008	Cherokee 14 16
All Mechanical Compare Primary	24	13.3%			7.8%	-		Percent	are of ALL	. accidents			1999 2000	0 0	0 0		2009 2010	10 15
Somparo Finnary	Cherokee 140	Overall		(	Percent of time Sub	pevent was inv	volved in M		•				2000	19	19		2010	0
Landing Gear/Brakes	1.7%	1.7%		,	control Subevents			,	, Cherokee 1	Baseline			2002	24	24		2012	
Other Mechanical	2.2%	2.2%			Winds	23.9%	23.9%		9.4%	9.4%			2003	18	18			
Undetermined Loss of Power	7.2%	7.2%		Failure to	maintain airspeed	19.7%	19.7%		7.8%	7.8%			2004	16	16			
Fuel System	0.6%	0.6%		0	ther loss of control	0.0%	0.0%		0.0%	0.0%			2005	20	20			
Engine Mechanical	3.9%	3.9%											2006	20	20			
Builder/Manufacturer Error	0.0%	0.0%		<u>Engine</u>	Types in Accident								2007	22	22			
Maintenance Error	5.0%	5.0%			Traditional	100.0%	100.0%											Time in Ty
Inadequate Preflight	1.1%	1.1%		After	market Traditional	0.0%	0.0%				okee 140 Pe			Overall	erall Perc	Bin		n Cherokee 14
Carb Ice	2.2%	2.2%			Foreign	0.0%	0.0%	10	<=10	0	0.0%	0	0.0%	0	0.0%	0	0.0%	10
Manuevering at low alt	3.3%	3.3%			Non-Cert 4 Stroke	0.0%	0.0%	20	<=20	0	0.0%	0	0.0%	0	0.0%	0	0.0%	19
/FR to IFR Fuel Exhaustion/Starvation	6.7% 10.6%	6.7% 10.6%			Auto Conversion Two Stroke	0.0%	0.0%	30 40	<=30 <=40	0 0	0.0%	0 0	0.0%	0 0	0.0%	0	0.0% 0.0%	26 20
Pilot Miscontrol	10.6% 39.4%	10.6% 39.4%			Turbine	0.0% 0.0%	0.0% 0.0%	40 50	<=40 <=50	0	0.0% 0.0%	0	0.0% 0.0%	0	0.0% 0.0%	0	0.0% 0.0%	30 38
	33.4 /0	53.470			Not Specified	0.0%	0.0%	50 60	<=50 <=60	0	0.0% 0.0%	0	0.0%	0	0.0%	0	0.0%	30 43
Total Pilot Error	63.3%	63.3%	Accide	nts referencin	g Airspeed Control	10.0%	10.0%	70	<=00 <=70	0	0.0%	0	0.0%	0	0.0%	0	0.0%	43 48
Total All Error	68.3%	68.3%				10.070	10.070	80	<=70 <=80	0	0.0%	0	0.0%	0	0.0%	0	0.0%	51
Mechanical	20.6%	20.6%				18		90 100	<=90 <=100	0 0	0.0% 0.0%	0 0	0.0% 0.0%	0 0	0.0% 0.0%	0 0	0.0% 0.0%	53 57
	Cherokee 140	Overall						200	<=100 <=200	0	0.0%	0	0.0%	0	0.0%	0	0.0%	57 77
Other Mechanical	2.2%	2.2%						200 300	<=200 <=300	0	0.0%	0	0.0%	0	0.0%	0	0.0%	91
Indetermined Loss of Power	7.2%	7.2%						400	<=300 <=400	0	0.0%	0	0.0%	0	0.0%	0	0.0%	95
Fuel System	0.6%	0.6%			Cherokee '	Overall		500	<=400 <=500	1	0.7%	1	0.7%	1	0.7%	1	0.0%	108
Engine Mechanical	3.9%	3.9%		# with AF		136		600	<=600	1	0.7%	0	0.0%	1	0.7%	0	0.0%	116
Builder/Manufacturer Error	0.0%	0.0%		# with Til				700	<=700	1	0.7%	0	0.0%	1	0.7%	0 0	0.0%	118
Maintenance Error	5.0%	5.0%						800	<=800	2	1.5%	1	0.7%	2	1.5%	1	0.7%	118
Pilot Error	63 3%	63 3%						900	~-900	2	1 5%	0	0.0%	2	1 5%	0	0.0%	120

Pilot Error	63.3%	63.3%	900	<=900	2	1.5%	0	0.0%	2	1.5%	0	0.0%	120
			1000	<=1000	2	1.5%	0	0.0%	2	1.5%	0	0.0%	122

Э okee 140 P€ 7.9% 15.0% 20.5% 23.6% 29.9% 33.9% 37.8% 40.2% 41.7% 44.9% 60.6% 71.7% 74.8% 74.8%
85.0%
91.3%
92.9%
92.9%
94.5%
96.1%

Piper Archer II/III	*	Gea	ar Typa 💌	*							-	Added Pilot	-		7/4/2010 Elag - 7/18		6/9/15	
Total * accidents	121	<b>-</b> · -				tal Accidents	121	<b>_</b>					USE NEW	r urcridse	Flag - 7/18			
Fatal Accidents	26	21.5%			Fat	tal Accidents	26	21.5%										
Average Pilot Hours	519	In Type				e Pilot Hours		In Type										
Median Pilot Hours	323	In Type				n Pilot Hours		In Type										
Median Fatal	236	In Type	980	A		Median Fatal		In Type	980									
Average Aircraft Hours/year	341.8			Ave	rage Aircrat	ft Hours/year	341.8											
	Each Accident Is	0.83%	of the Total	l		All												
	Primary Only		<u>Both</u>		F	Primary Only		Both										
Pilot Miscontrol	49	40.5%	50	41.3%		49	40.5%	50	41.3%									
Builder Error	1	0.8%	1	0.8%		1	0.8%	1	0.8%									
Maintenance Error	2	1.7%	3	2.5%		2	1.7%	3	2.5%									
Undetermined Loss of Power	3	2.5%	3	2.5%		3	2.5%	3	2.5%									
Engine Mechanical	0	0.0%	4	3.3%		0	0.0%	4	3.3%									
Engine Controller/Electronic Ignition	0	0.0%	0	0.0%		0	0.0%	0	0.0%									
Fuel System Landing Gear/Brakes	0 2	0.0% 1.7%	0 2	0.0% 1.7%		0 2	0.0% 1.7%	0 2	0.0% 1.7%									
Landing Gear/Brakes	∠ 1	0.8%	2	2.5%		∠ 1	0.8%	2 3	2.5%									
Fuel Exhaustion	14	0.8% 11.6%	3 15	2.5% 12.4%		14	0.8% 11.6%	3 15	2.5% 12.4%									
Fuel Starvation	ι <del>+</del> Δ	3.3%	4	3.3%		14 4	3.3%	4	3.3%									
Carb Ice	4	0.8%	4	0.8%		4	0.8%	1	0.8%									
/FR to IFR	7	5.8%	7	5.8%		7	5.8%	7	5.8%									
Manuevering at low alt	6	5.0%	6	5.0%		6	5.0%	6	5.0%									
nadequate Preflight	0	0.0%	0	0.0%		0	0.0%	0	0.0%									
uel Contamination	0	0.0%	0	0.0%		0	0.0%	0	0.0%									
Midair Collision	3	2.5%	3	2.5%		3	2.5%	3	2.5%									
Furbulence/Winds	1	0.8%	1	0.8%		1	0.8%	1	0.8%									
_oss of Control (Unknown)	0	0.0%	0	0.0%		0	0.0%	0	0.0%									
Taxi Accident	11	9.1%	11	9.1%		11	9.1%	11	9.1%									
Jndetermined	1	0.8%	1	0.8%		1	0.8%	1	0.8%									
Other	15	12.4%	47	38.8%		15	12.4%	36	29.8%									
	121	100.0%				121	100.0%							By year				
Power Loss (Any Cause) By Flag	22	18.2%			10.7%	22	18.2%						Year 1998	* 0	Overall 0		Year 2008	* 9
All Mechanical	6	5.0%			3.3%		101270						1999	0	0 0		2009	6
Compare Primary								Percenta	ige of ALL	accidents	3		2000	0	0		2010	12
	*	Overall		i i		event was inv		scontrol)					2001	15	15		2011	0
Landing Gear/Brakes	1.7%	1.7%		Miscontrol S		*	Baseline		*	Baseline	•		2002	10	10		2012	
Other Mechanical	0.8%	0.8%			Winds	26.5%	26.5%		10.7%	10.7%			2003	11	11			
Undetermined Loss of Power	2.5%	2.5%		Failure to maintain		8.2%	8.2%		3.3%	3.3%			2004	19	19			
Fuel System	0.0%	0.0%		Other loss	of control	0.0%	0.0%		0.0%	0.0%			2005	15	15			
Engine Mechanical	0.0%	0.0%			• • • • · · · ·	*	Decel						2006	9	9			
Builder/Manufacturer Error	0.8%	0.8%		Engine Types in			Baseline						2007	15	15		т	ima in Tu
Aaintenance Error	1.7%	1.7%			Traditional Traditional	96.7%	96.7%		Houro	*	* Doroont	Din	*Bin	Overall	orall Dora	Din		ime in Ty∣ ∗
nadequate Preflight Carb Ice	0.0% 0.8%	0.0% 0.8%		Aftermarket T	Foreign	0.0% 0.0%	0.0% 0.0%	10	Hours <=10	0	* Percent 0.0%	Bin 0	"Bin 0.0%	Overall 0	erall Perc 0.0%	Bin 0	Overall Bin 0.0%	9
Januevering at low alt	0.8% 5.0%	0.8% 5.0%		Non-Cor	rt 4 Stroke	0.0%	0.0% 0.0%	10 20	<=10 <=20	0	0.0% 0.0%	0	0.0% 0.0%	0	0.0% 0.0%	0	0.0% 0.0%	9 14
/FR to IFR	5.8%	5.0% 5.8%			Conversion	0.0%	0.0% 0.0%	20 30	<=20 <=30	0	0.0%	0	0.0%	0	0.0%	0	0.0%	23
Fuel Exhaustion/Starvation	14.9%	5.8% 14.9%			wo Stroke	0.0%	0.0%	30 40	<=30 <=40	0	0.0%	0	0.0%	0	0.0%	0	0.0%	23 29
Pilot Miscontrol	40.5%	40.5%			Turbine	0.0%	0.0%	40 50	<=40 <=50	0	0.0%	0	0.0%	0	0.0%	0	0.0%	29
	.0.070	.0.070		Not	Specified	3.3%	3.3%	60	<=60	0	0.0%	Õ	0.0%	0	0.0%	0	0.0%	33
otal Pilot Error	66.9%	66.9%	Accide	ents referencing Airspee	•	11.6%	11.6%	70	<=70	0	0.0%	0	0.0%	0	0.0%	0 0	0.0%	39
Total All Error	69.4%	69.4%		3				80	<=80	0	0.0%	0	0.0%	0	0.0%	0	0.0%	40
<i>Aechanical</i>	7.4%	7.4%				14		90	<=90	0	0.0%	0	0.0%	0	0.0%	0	0.0%	40
								100	<=100	0	0.0%	0	0.0%	0	0.0%	0	0.0%	45
	*	Overall						200	<=200	0	0.0%	0	0.0%	0	0.0%	0	0.0%	62
Other Mechanical	0.8%	0.8%						300	<=300	1	1.2%	1	1.2%	1	1.2%	1	1.2%	72
Indetermined Loss of Power	2.5%	2.5%						400	<=400	3	3.5%	2	2.4%	3	3.5%	2	2.4%	78
Fuel System	0.0%	0.0%		*		Overall		500	<=500	4	4.7%	1	1.2%	4	4.7%	1	1.2%	82
Engine Mechanical	0.0%	0.0%		# with AF Hours	85	85		600	<=600	5	5.9%	1	1.2%	5	5.9%	1	1.2%	87
Builder/Manufacturer Error	0.8%	0.8%		# with TiT Hours	94			700	<=700	5	5.9%	0	0.0%	5	5.9%	0	0.0%	87
Maintenance Error	1.7%	1.7%						800	<=800	8	9.4%	3	3.5%	8	9.4%	3	3.5%	90
Pilot Error	66.9%	66 9%						900	~-900	0	Q 4%	0	0.0%	0	Q 4%	0	0.0%	90

Pilot Error	66.9%	66.9%	900	<=900	8	9.4%	0	0.0%	8	9.4%	0	0.0%	90
			1000	<=1000	8	9.4%	0	0.0%	8	9.4%	0	0.0%	93

Э \* Percent 9.6% 14.9% 24.5% 30.9% 30.9% 35.1% 41.5% 42.6% 42.6% 47.9% 66.0% 76.6% 83.0% 83.0% 87.2% 92.6% 92.6% 95.7% 95.7% 98.9%