

COMPARATIVE U. S. CIVIL HELICOPTER SAFETY TRENDS

Comparative Statistics Through 3rd Quarter

January 1 – September 30, 2012-2008

<u>Civil helicopters- estimated hours flown¹:</u>	<u>2012</u>	<u>2011</u>	<u>2010</u>	<u>2009</u>	<u>2008</u>
Total helicopter hours flown (in millions) (*FAA Flight Hours Revised in February 2009)	2.38	2.31	2.25	2.43	2.86
<u>Number of civil helicopter accidents²:</u>	<u>2012</u>	<u>2011</u>	<u>2010</u>	<u>2009</u>	<u>2008</u>
Total number of civil helicopter accidents	113	100	110	108	109
Total number of fatal helicopter accidents	10	9	19	14	20
Total number of fatalities	15	13	40	35	58
Total number of serious injuries	19	25	26	30	25
Total number of minor injuries	43	32	24	38	34
<u>Accident rate per 100,000 flying hours¹:</u>	<u>2012</u>	<u>2011</u>	<u>2010</u>	<u>2009</u>	<u>2008</u>
Accident rate	4.75	4.33	4.90	4.44	3.81
Fatal accident rate	0.42	0.39	0.85	0.58	0.70
Fatal injuries rate	0.63	0.56	1.78	1.44	2.03
Serious injuries rate	0.80	1.08	1.16	1.23	0.87
Minor injuries rate	1.81	1.39	1.07	1.56	1.19
<u>Safety Statistics By Helicopter Type:</u>	<u>2012</u>	<u>2011</u>	<u>2010</u>	<u>2009</u>	<u>2008</u>
Estimated Total Flight Hours ¹ (in millions):					
Single Engine Turbine:	1.418	1.380	1.344	1.940	1.615
Multi-Engine Turbine:	0.354	0.345	0.336	0.490	0.404
Reciprocating:	0.605	0.586	0.567	0.547	0.841
Total Number of Accidents ² :					
Single Engine Turbine:	46	31	46	41	28
Multi-Engine Turbine:	7	2	6	10	9
Reciprocating:	60	67	57	57	66
Total Number of Fatal Accidents ² :					
Single Engine Turbine:	5	2	8	5	8
Multi-Engine Turbine:	1	0	2	3	3
Reciprocating:	7	6	9	6	9
Total Number of Fatalities ² :					
Single Engine Turbine:	8	5	22	13	28
Multi-Engine Turbine:	1	0	7	11	16
Reciprocating:	5	7	11	11	14
Accident Rate per 100,000 Hours Flown:					
Single Engine Turbine:	3.24	2.25	3.42	2.11	1.73
Multi-Engine Turbine:	1.98	0.58	1.76	2.04	2.23
Reciprocating:	9.92	11.43	10.05	10.42	7.85
Fatal Accident Rate per 100,000 Hours Flown:					
Single Engine Turbine:	0.35	0.14	0.60	0.26	0.50
Multi-Engine Turbine:	0.28	0.00	0.60	0.61	0.74
Reciprocating:	1.16	1.02	1.59	1.10	1.07
Fatalities Rate per 100,000 Hours Flown:					
Single Engine Turbine:	0.56	0.36	1.64	0.67	1.73
Multi-Engine Turbine:	0.28	0.00	2.08	2.24	3.96
Reciprocating:	0.83	1.19	1.94	2.01	1.66

1- FAA Aerospace Forecasts Fiscal Years 2011-2025 (Table 28, 2012 Forecast Rotorcraft)

2- NTSB Preliminary Accident Reports (Jan. 01, – Sept. 30, 2012)

3- ERA12TA515 not included in tabulations