

# HELICOPTER SAFETY

Date	Type	Registration	Operator	Location	Operation	Phase	Fatalities	Injuries	POB	Circumstances
8	Bell 212	N291B	Air One Helicopters	15km NW of Juntura, Oregon, USA	AWF	MH	-	-	1	During a firefighting sortie, having filled its bucket from a lake, the helicopter began to climb away from a hover at 50-100ft, but there was a loss of power and the low rpm warning illuminated. The pilot found that the cable would not release immediately, but it eventually did. The helicopter landed on the lake shore and its main rotor hit trees. No 1 engine suffered total power loss.
10	369D	Eagle Air	nr Oso, Washington, USA	AWE	ER	-	-	-	1	Flying down slope, the pilot heard a bang and saw something separate from the aircraft. The helicopter began to rotate and the pilot carried out a forced landing. It is believed that the tail rotor assembly had separated. Intending to carry out single engine landing practice, the flight engineer shut down the wrong engine, forcing autorotation which ended in a landing that wrote the helicopter off.
12	Mi-8MTV-1	RA-70898	Kazan Helicopter Plant	Kazan, Russia	CT	LR	-	-	4	Landed on a hill at 4,000ft elevation. As the pilot reduced power to shut down there was very heavy vibration which caused serious damage despite emergency shut down procedures.
14	206B2	N70711	State of Alaska	25km E of Chickaloon, Alaska, USA	AWR	GR	-	-	2	Reported separation of both main and tail rotor in flight.
14	FH-1100	N8171U	Horizon Helicopters	nr Dewitt, Michigan, USA	Ferry	ER	1	-	1	While hovering before landing the helicopter developed a high sink rate, touched down heavily and rolled over.
18	Mi-8T	RA-24547	Sakhaavia	Nurba, Russia	Test	MH	-	-	3	Flew into a hill in daylight having, say witnesses, begun a shallow descent at fairly high speed.
18	206B2	VH-FVF	Curry-Kenny Aviation	Mt Coolthia, nr Brisbane, Queensland, Australia	Ferry	ER	1	-	1	Suffered an in-flight break up and crashed in fields during approach. Skids snagged on an irrigation pipe during take off from beside the support truck at which the aircraft had reloaded and refuelled. The aircraft nosed over and crashed.
20	Bell 222	N30SV	Sioux Valley Intensive Air	nr Spencer, Iowa, USA	AWM	LD	3	-	3	The engine failed mechanically while the pilot was manoeuvring to set the 500kg external load down. The helicopter crashed.
21	Bell 206B3	N223HA	Helicar Ag	nr Salinas, California, USA	AWC	TI	-	-	1	Descending through 195-230ft at 32kt, the rate of descent increased rapidly and the helicopter hit trees.
22	SA315B	N49525	Geo-Seis Helicopters	nr Nucia, Colorado, USA	AWE	LA	-	1	1	During a fire suppression flight the aircraft flew along a ridge trailing a bambi bucket which then hit trees. The long line failed and flicked up into the tail rotor, causing its gearbox to fail. The helicopter went out of control, crashed near the ridge and rolled down the slope.
25	Mi-8T	RA-06140	2nd. Sverdlovsk Flight Unit	Nyagan, Russia	AWP	LA	-	-	16	Lost power en route and the pilot started an emergency landing approach to a river. During the landing flare the helicopter hit a rock and crashed.
27	SA316B	N605RA	US Dept of the Interior	nr Porterville, California, US	AWF	MT	-	-	1	On approach there was a loud bang and the helicopter began to rotate to the right, then went out of control and crashed.
27	HB350B	PT-HNJ	Vigano Taxi Aereo	Not reported, Brazil	DNP	ER	-	-	5	Control was lost in the last 20ft of an approach to the fire camp, and the helicopter touched down hard and rolled over.
28	BK117A-4	N230H	Topeka Air Ambulance	Forbes Field, Topeka, Kansas, USA	Test	LA	-	-	3	
31	AS350B	C-FSLF	Canadian Helicopters	nr Slave Lake, Alberta, Canada	AWP	LA	-	1	6	
<b>SEPTEMBER</b>										
2	Mi-2	RA-15685	Krechet	nr Izluchina, Russia	AWP	ER	3	1	4	Cruising at 3,000ft, the helicopter began to turn right and pitch down. There was a very hard touchdown from the emergency approach to land. On take off from a mountain helipad at elevation 9,200ft, the helicopter began to spin and rolled over. There was a light quartering tailwind and it is possible that the tail rotor lost effectiveness.
3	2061	P2-HBF	Heli Niugini	Mt Kari, Papua New Guinea	AWP	TI	-	-	4	The helicopter was on its sixth long-line logging lift when the aircraft pitched down upon taking up the load. It rapidly lost height and crashed. In normal cruise flight the helicopter suddenly yawed and the end of the tail boom separated. The pilot regained control and made a forced landing.
4	K-1200	HB-XHJ	Heljog	20km S of Kempten, Germany	AWE	MH	1	-	1	Hard touchdown and main rotors suffered damage.
4	Bell 407	ZS-RHK	ESCOM	Standerton, South Africa	?	ER	-	-	1	Sling load hit a ridge and was flung up into the tail rotor, which caused loss of control and a crash.
6	206L3	7T-WUE	Air Algerie	Not reported, Algeria	AWM	LR	-	-	2	Partial power loss after water pick-up in daylight VMC. Helicopter was damaged in the forced landing.
8	SA315B	FGHCB	Heli Union	Not reported, Yemen	?	LR	-	-	3	Main rotors struck the surface of the Amazon. Helicopter crashed.
12	AS350B	JA9306	Aero Asahi	Yamanouchi, Japan	AWE	ER	1	-	1	Helicopter crashed into the ground while flying up a narrow mountain ravine at very high altitude.
12	206B2	N52BH	Brainerd Helicopter Service	nr Hinkley, Minnesota, USA	AWF	MT	-	-	1	Just before touchdown the pilot elected to set down closer to the picket points and carried out a 90° turn. The nose pitched down, and the pilot reacted by pulling fully back on the cyclic control. This caused the helicopter to back up and climb to about 10m, and it lost main rotor rpm. The aircraft nosed down, banked right and began descending until the main rotors hit the ground. It was operating in a crosswind with an extreme forward CoG.
15	AS350BA	?	Brazilian navy	Not reported, Brazil	Pvt	ER	1	-	6	The engine lost power during cruise. The pilot autorotated to land but touched down hard and the main rotor hit the tail.
15	AS350B	PT-HNK	Rogério Quattrucci	Not reported, Brazil	AWP	?	1	-	6	Practice autorotation ended in a hard landing.
15	Ka-26	RA-24329	Gazpromavia	nr Temryuk, Russia	AWS	LA	-	1	3	During a practice autorotation, the helicopter collided with an airborne Robinson R22 light piston helicopter, its left skid hitting the R22's main rotor. The 407 landed safely but both occupants of the R22 were killed when it crashed out of control.
15	206B	ZS-HGS	Capital Air	Gouteng, South Africa	?	ER	-	-	1	The engine shut down while in cruise at 1,000ft. A restart attempt failed. The pilot released the sling load and attempted a forced landing on a gravel bar in the river, but the touchdown was very hard. Although there was found to be fuel in the tank it was discovered that the fuel gauge gave a much higher reading than the reality.
16	480T	N142CC	James M. Christensen	Austin Straubel Intl. Ap., Green Bay, USA	CT	LR	-	-	2	The pilot appears to have lost control in a crosswind landing, and the helicopter's main rotor struck the ground. The aircraft rolled over.
17	Bell 407	PT-YLZ	Riana Taxi Aereo	Jacarepagua Ap., Rio de Janeiro, Brazil	CT	LA	2	-	2	As the helicopter prepared to pick up a load of logs, it spun to the right,
18	206B2	CGTMH	White River Helicopters	Kitsumkalum River, NW of Terrace, BC, Canada	AWE	ER	-	-	2	
18	206B2	PT-HTL	Limite Taxi Aereo	Nova Cantu, Brazil	?	LR	1E	2E	3	
19	UH-1L	N5107J	Precision Air Services	nr Price, Utah, USA	AWE	MT	-	-	1	