



## National Transportation Safety Board Aviation Accident Factual Report

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<b>Location:</b>	SALINA, KS	<b>Accident Number:</b>	CHI96LA046
<b>Date &amp; Time:</b>	12/02/1995, 1505 CST	<b>Registration:</b>	N50235
<b>Aircraft:</b>	ROBERT ECKLEY ROTORWAY	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General Aviation - Personal		

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On December 2, 1995, at 1505 central standard time, an Eckley Rotorway helicopter, N50235, piloted by the owner/builder, sustained substantial damage when it rolled over after start up at Salina Municipal Airport, Salina, Kansas. The non-certificated pilot reported no injuries. Visual meteorological conditions prevailed for the 14 CFR Part 91 local flight, no flight plan was filed.

During a telephone interview, the pilot reported that the helicopter had been in storage for the past three years. This was to be the helicopter's first flight since taken out of storage. The pilot stated the purpose of the flight was to check the cyclic rigging. He stated that he has performed all inspections and rigging on the helicopter.

The pilot stated that the cause of the accident was the over adjusting of the cycle control during the rigging procedure which caused the rollover.

Review of the pilot's logbook revealed the pilot did not hold a valid medical, airman certificate, nor the student pilot endorsements required to operate the helicopter. The pilot had no recent flying experience during the past three years. The pilot also did not possess a Repairman Certificate.

## Pilot Information

<b>Certificate:</b>	None	<b>Age:</b>	62, Male
<b>Airplane Rating(s):</b>	None	<b>Seat Occupied:</b>	Left
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	Seatbelt, Shoulder harness
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	None Unknown	<b>Last FAA Medical Exam:</b>	
<b>Occupational Pilot:</b>		<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	300 hours (Total, all aircraft)		

## Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	ROBERT ECKLEY	<b>Registration:</b>	N50235
<b>Model/Series:</b>	ROTORWAY ROTORWAY	<b>Aircraft Category:</b>	Helicopter
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	Yes
<b>Airworthiness Certificate:</b>	Experimental	<b>Serial Number:</b>	3099
<b>Landing Gear Type:</b>	Skid	<b>Seats:</b>	2
<b>Date/Type of Last Inspection:</b>	08/19/1989, 100 Hour	<b>Certified Max Gross Wt.:</b>	1320 lbs
<b>Time Since Last Inspection:</b>	0 Hours	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	158 Hours	<b>Engine Manufacturer:</b>	ROTORWAY
<b>ELT:</b>	Not installed	<b>Engine Model/Series:</b>	RW145
<b>Registered Owner:</b>	ROBERT L. ECKLEY	<b>Rated Power:</b>	145 hp
<b>Operator:</b>	ROBERT L. ECKLEY	<b>Operating Certificate(s) Held:</b>	None

## Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	SLN, 1272 ft msl	Distance from Accident Site:	0 Nautical Miles
Observation Time:	1446 CST	Direction from Accident Site:	0°
Lowest Cloud Condition:	Unknown / 0 ft agl	Visibility	6 Miles
Lowest Ceiling:	Broken / 20000 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	8 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	290°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	17° C / 7° C
Precipitation and Obscuration:			
Departure Point:	(SLN)	Type of Flight Plan Filed:	None
Destination:		Type of Clearance:	None
Departure Time:	1500 CST	Type of Airspace:	Class E

## Airport Information

Airport:	SALINA MUNICIPAL AIRPORT (SLN)	Runway Surface Type:	
Airport Elevation:		Runway Surface Condition:	
Runway Used:	0	IFR Approach:	
Runway Length/Width:		VFR Approach/Landing:	None

## Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	

## Administrative Information

Investigator In Charge (IIC):	CHRISTINE M CORSONES
Additional Participating Persons:	BRUCE ALRED; WICHITA, KS
Investigation Docket:	NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at <a href="mailto:pubinq@ntsb.gov">pubinq@ntsb.gov</a> , or at 800-877-6799. Dockets released after this date are available at <a href="http://dms.nts.gov/pubdms/">http://dms.nts.gov/pubdms/</a> .