



National Transportation Safety Board Aviation Accident Factual Report

Location:	Mansfield, OH	Accident Number:	NYC04CA150
Date & Time:	07/01/2004, 1430 EDT	Registration:	N98EH
Aircraft:	Henes Zenair CH 701	Aircraft Damage:	Substantial
Defining Event:		Injuries:	1 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

On July 1, 2004, about 1430 eastern daylight time, an amateur built Zenair CH 701, N98EH, was substantially damaged during a precautionary landing, following a partial loss of engine power after takeoff from Mansfield Lahm Regional Airport (MFD), Mansfield, Ohio. The certificated private pilot was not injured. Visual meteorological conditions prevailed, and no flight plan was filed for the local personal flight conducted under 14 CFR Part 91.

The pilot reported that he tookoff from runway 23 at MFD. Over the departure end of the runway, the pilot noted that the engine power was 100 rpm lower than expected, and the oil pressure decreased to 0. The pilot initiated a left turn for a precautionary landing on runway 5, a 5,795-foot-long, 150-foot wide, asphalt runway. The engine continued to lose power during the approach to the runway, but did not experience a total loss of power. The airplane was not aligned with the centerline as it touched down on runway 5, and traveled off the left side. The airplane subsequently struck runway lights and came to rest inverted in a grass area off the left side of the runway.

A Federal Aviation Administration inspector examined the airplane. The examination revealed that the pilot had recently installed a homemade oil cooler adapter on the Continental C-75 engine.

Pilot Information

Certificate:	Private	Age:	76, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	None	Second Pilot Present:	
Instructor Rating(s):		Toxicology Performed:	
Medical Certification:	Class 3	Last FAA Medical Exam:	05/07/2004
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	360 hours (Total, all aircraft), 10 hours (Total, this make and model)		

Aircraft and Owner/Operator Information

Aircraft Make:	Henes	Registration:	N98EH
Model/Series:	Zenair CH 701	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	Yes
Airworthiness Certificate:	Experimental	Serial Number:	01
Landing Gear Type:	Tricycle	Seats:	
Date/Type of Last Inspection:		Certified Max Gross Wt.:	
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:		Engine Manufacturer:	Continental
ELT:		Engine Model/Series:	C-75
Registered Owner:	Edwin Henes	Rated Power:	
Operator:	Edwin Henes	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Day
Observation Facility, Elevation:	MFD	Distance from Accident Site:	
Observation Time:		Direction from Accident Site:	
Lowest Cloud Condition:		Visibility	8 Miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	7 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	230°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:		Temperature/Dew Point:	27° C / 16° C
Precipitation and Obscuration:			
Departure Point:	Mansfield, OH (MFD)	Type of Flight Plan Filed:	None
Destination:	(MFD)	Type of Clearance:	None
Departure Time:	EDT	Type of Airspace:	Class D

Airport Information

Airport:	Mansfield Lahm Regional (MFD)	Runway Surface Type:	Asphalt
Airport Elevation:		Runway Surface Condition:	Dry
Runway Used:	5	IFR Approach:	None
Runway Length/Width:	6795 ft / 150 ft	VFR Approach/Landing:	Precautionary Landing; Traffic Pattern

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	N/A	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	
Total Injuries:	1 None	Latitude, Longitude:	40.821389, -82.516389

Administrative Information

Investigator In Charge (IIC):	Robert J Gretz
Additional Participating Persons:	
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
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 pubinq@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .