



Aviation Investigation Final Report

Location:	New Paris, Indiana	Accident Number:	CEN10CA146
Date & Time:	March 8, 2010, 17:30 Local	Registration:	N184PT
Aircraft:	BYLER JDT MINI-MAX 1100R	Aircraft Damage:	Substantial
Defining Event:	Fuel related	Injuries:	1 None
Flight Conducted Under:	Part 91: General aviation - Personal		

Analysis

The experimental amateur-built airplane sustained substantial damage when it nosed over during a forced landing on a soft field following an in-flight loss of engine power. The engine was reportedly “occasionally windmilling” during the forced landing. The local temperature was 9 degrees Celsius (C) and the dew point was 3 degrees C. The temperature and dew point were plotted on the icing chart listed in Special Airworthiness Information Bulletin CE-09-35 and their intersection fell in the “serious icing (cruise power)” temperature range.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: A total loss of engine power in flight due to carburetor icing. Contributing to the accident was the soft field where the airplane nosed over.

Findings

Environmental issues	Conducive to carburetor icing - Effect on equipment
Environmental issues	Wet/muddy terrain - Contributed to outcome

Factual Information

History of Flight

Enroute-cruise	Fuel related (Defining event)
Enroute-cruise	Loss of engine power (total)
Emergency descent	Off-field or emergency landing
Landing	Nose over/nose down

Pilot Information

Certificate:	Sport Pilot	Age:	52, Male
Airplane Rating(s):	None	Seat Occupied:	Single
Other Aircraft Rating(s):	None	Restraint Used:	
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Sport pilot	Last FAA Medical Exam:	
Occupational Pilot:	No	Last Flight Review or Equivalent:	November 2, 2008
Flight Time:	60 hours (Total, all aircraft), 9 hours (Total, this make and model), 60 hours (Pilot In Command, all aircraft), 2 hours (Last 90 days, all aircraft), 1 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	BYLER	Registration:	N184PT
Model/Series:	JDT MINI-MAX 1100R	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	Yes
Airworthiness Certificate:	Experimental (Special)	Serial Number:	JDT10
Landing Gear Type:	Tailwheel	Seats:	1
Date/Type of Last Inspection:	May 24, 2009 Annual	Certified Max Gross Wt.:	560 lbs
Time Since Last Inspection:		Engines:	1 Reciprocating
Airframe Total Time:	10 Hrs at time of accident	Engine Manufacturer:	ROTAX
ELT:	Not installed	Engine Model/Series:	447
Registered Owner:	BYLER MARK A	Rated Power:	40 Horsepower
Operator:	BYLER MARK A	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual (VMC)	Condition of Light:	Day
Observation Facility, Elevation:	GSH,829 ft msl	Distance from Accident Site:	2 Nautical Miles
Observation Time:	18:53 Local	Direction from Accident Site:	270°
Lowest Cloud Condition:	Clear	Visibility	10 miles
Lowest Ceiling:	None	Visibility (RVR):	
Wind Speed/Gusts:	/	Turbulence Type Forecast/Actual:	/
Wind Direction:		Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	30 inches Hg	Temperature/Dew Point:	9°C / 3°C
Precipitation and Obscuration:	No Obscuration; No Precipitation		
Departure Point:	Goshen, IN (GSH)	Type of Flight Plan Filed:	None
Destination:	Goshen, IN (GSH)	Type of Clearance:	None
Departure Time:	17:46 Local	Type of Airspace:	

Airport Information

Airport:	Goshen Municipal Airport GSH	Runway Surface Type:	
Airport Elevation:	829 ft msl	Runway Surface Condition:	
Runway Used:		IFR Approach:	None
Runway Length/Width:		VFR Approach/Landing:	Forced landing

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:		Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	1 None	Latitude, Longitude:	41.5,-85.830001(est)

Administrative Information

Investigator In Charge (IIC):	Malinowski, Edward
Additional Participating Persons:	Richard D Anderson Jr; Federal Aviation Administration; South Bend, IN
Original Publish Date:	July 1, 2010
Last Revision Date:	
Investigation Class:	Class
Note:	This accident report documents the factual circumstances of this accident as described to the NTSB.
Investigation Docket:	https://data.nts.gov/Docket?ProjectID=75464

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