



National Transportation Safety Board Aviation Accident Data Summary

Location:	Winterset, IA	Accident Number:	CEN12LA224
Date & Time:	04/01/2012, 1515 CDT	Registration:	N3830G
Aircraft:	CESSNA U206B	Injuries:	7 None
Flight Conducted Under:	Part 91: General Aviation - Skydiving		

Analysis

The pilot stated that he departed the airport with six parachutists for a jump flight. As the airplane approached 1,000 feet above ground level, he noticed that the airplane wasn't climbing. He checked the engine gauges and noticed that the engine analyzer was flashing "CHT" and the cylinder head temperature was 454 degrees F. As the pilot pitched the nose down and turned back to the airport, he heard a muffled "thud" sound and saw white smoke pour from the engine. As he prepared for a forced landing, four of the parachutists jumped from the airplane. The pilot then performed a forced landing in a field, coming to a stop near a dirt berm. An examination revealed a hole in the engine crankcase, near the No. 4 cylinder. Various pieces of metal, including part of a "quick oil drain plug" were found in the engine oil sump. The No. 4 connecting rod journal appeared distorted and displayed extensive heat signatures. The crankshaft journals on either side of the No. 4 rod journals did not appear to be distorted or to contain the same heat signatures and were coated with engine oil. The rod and crankshaft bearings were scored. The signatures on the engine were consistent with the loss of lubricant to the No. 4 connecting rod journal. A reason for the loss of engine oil to the journal was not found.

Flight Events

Enroute-climb to cruise - Loss of engine power (total)
Emergency descent - Off-field or emergency landing

Probable Cause

The National Transportation Safety Board determines the probable cause(s) of this accident to be:
The loss of oil pressure to the No. 4 connecting rod journal and the subsequent loss of engine power.

Findings

Aircraft-Aircraft power plant-Power plant-(general)-Failure - C
Aircraft-Fluids/misc hardware-Fluids-Oil-Not specified - C

Pilot Information

Certificate:	Commercial	Age:	45
Airplane Rating(s):	Multi-engine Land; Single-engine Land	Instrument Rating(s):	Airplane
Other Aircraft Rating(s):	None	Instructor Rating(s):	None
Flight Time:	1045 hours (Total, all aircraft), 177 hours (Total, this make and model), 981 hours (Pilot In Command, all aircraft), 20 hours (Last 90 days, all aircraft), 18 hours (Last 30 days, all aircraft), 7 hours (Last 24 hours, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Manufacturer:	CESSNA	Registration:	N3830G
Model/Series:	U206B	Engines:	1 Reciprocating
Operator:	DES MOINES SKYDIVERS LLC	Engine Manufacturer:	CONT MOTOR
Air Carrier Operating Certificate:	None	Engine Model/Series:	IO 520 SERIES
Flight Conducted Under:	Part 91: General Aviation - Skydiving		

Meteorological Information and Flight Plan

Observation Facility, Elevation:	KDSM	Weather Information Source:	Weather Observation Facility
Conditions at Accident Site:	Visual Conditions	Lowest Ceiling:	None
Condition of Light:	Day	Wind Speed/Gusts, Direction:	10 knots, 170°
Temperature:	29° C / 17° C	Visibility:	
Precipitation and Obscuration:	No Precipitation		
Departure Point:	Winterset, IA (3Y3)	Destination:	Winterset, IA (3Y3)

Airport Information

Airport:	Winterset Municipal Airport (3Y3)	Runway Surface Type:	
Runway Used:	N/A	Runway Surface Condition:	
Runway Length/Width:			

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	6 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None

Administrative Information

Investigator In Charge (IIC):	Craig Hatch	Adopted Date:	04/25/2013
Investigation Docket:	http://dms.nts.gov/pubdms/search/dockList.cfm?mKey=83294		

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