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*Office of Aviation Safety*

**Crash of Skydive  
Quantum Leap  
de Havilland DHC-6-100, N203E  
Sullivan, Missouri, July 29, 2006**

# History of Flight

- July 29, 2006, about 1345
- de Havilland DHC-6-100
- Skydive Quantum Leap
- Sullivan Regional Airport
- Pilot and five parachutists sustained fatal injuries
- Two parachutists seriously injured

# History of Flight

- Part 91
- Revenue parachute operation
- Day visual meteorological conditions

# History of Flight



# History of Flight



# History of Flight



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# The Accident

- Airplane could maintain positive single-engine climb rate
  - Pilot did not
    - Bank into operating engine
    - Maintain airspeed
- Pilot did not use all available runway
  - Left with fewer options

# The Accident

- Right engine's compressor turbine blades consistent with overload
- Engines exceeded manufacturer's recommended 3,600 hour TBO
  - Right engine 6,493 hours
  - Left engine 5,829 hours



# Safety Issue

- Inadequate performance of single-point restraints for parachutists

# Parties to the Investigation

- Federal Aviation Administration
- Hartzell Propeller
- Honeywell
- Woodward Governor Company

# Accredited Representative

- Transportation Safety Board of Canada
  - Pratt & Whitney Canada
  - Viking Air Limited



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