



## HASTE MAKES WASTE

Shortly after takeoff, at less than 200 feet agl, the pilot of a Beech King Air reported an engine failure and requested to return to the airport. The controller saw the airplane in a descending right turn and observed the airplane level its wings just prior to impact with the tips of trees. The airplane collided with terrain approximately 2000 feet east of the approach end of the reciprocal to the takeoff runway. A post-crash fire ensued and consumed a majority of the airplane.

Both engines displayed contact signatures to their internal components characteristic of the engines being powered, with the propellers out of feather at the time of impact, and a low power range. Both propellers were rotating with considerable energy; examination showed that the left propeller had more power than the right.

The NTSB determined the probable cause(s) of this accident to be: "The pilot's failure to follow loss of engine power emergency procedures by not feathering the propeller following the loss of engine power for undetermined reasons, resulting in a descent and collision with trees and the ground."

Another contributing factor may have been the pilot's haste to get the airplane back on the ground after an engine failure. In any pre-planning for a departure abort and return to the airport, the pilot should have considered that best results would come from feathering the failed engine's propeller, climbing to pattern or approach altitude, and then making level maneuvering turns to intercept the final approach course and land the aircraft. That sort of decision, however, is best made before taking off—leaving your thought process to be "deal with the emergency, execute the plan" in the rare event engine failure on departure actually happens.

## ENGINE FAILURE AFTER TAKEOFF

Airspeed .....	Maintain $V_{YSE}$
Mixtures .....	RICH
Propellers .....	HIGH RPM
Throttles .....	FULL POWER
Flaps .....	UP
Landing Gear .....	UP
Identify .....	Determine failed engine
Verify .....	Close throttle of failed engine
Propeller .....	FEATHER
Trim Tabs .....	ADJUST
Failed Engine .....	SECURE
As soon as practical .....	LAND

**Bold - faced** items require immediate action and are to be accomplished from memory.