



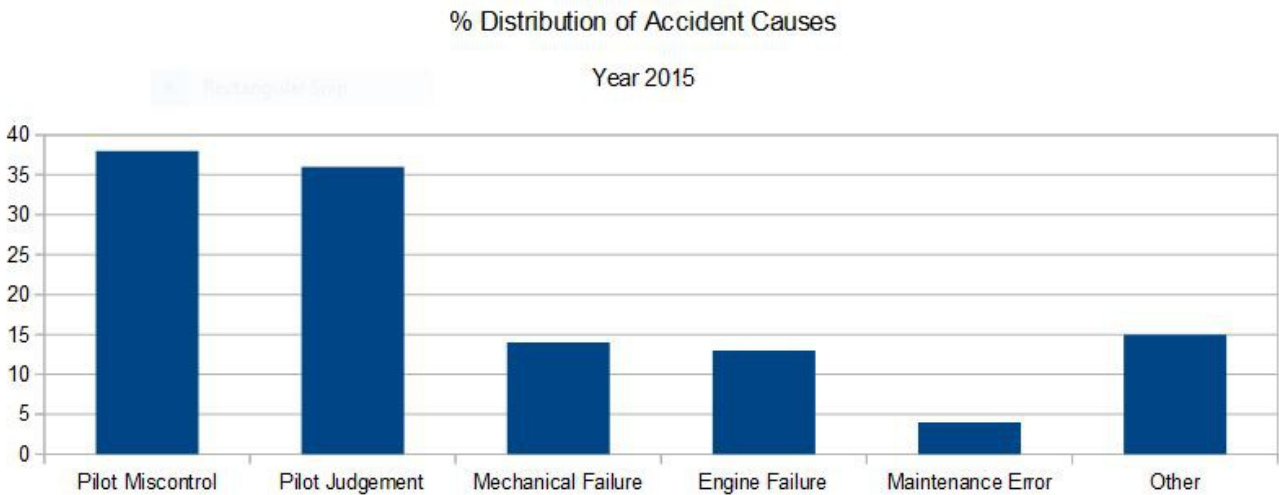
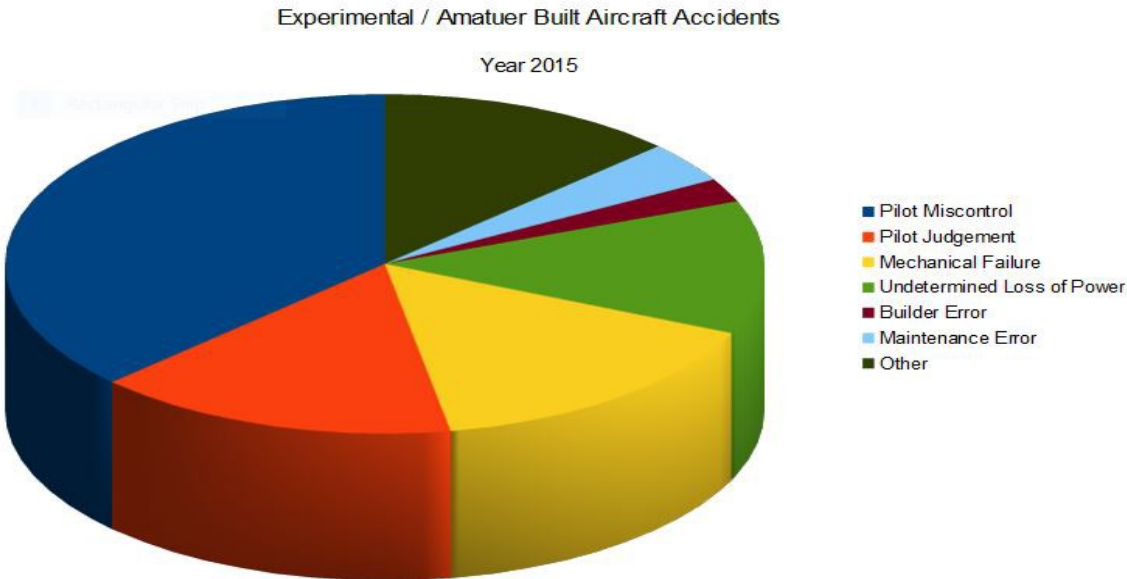
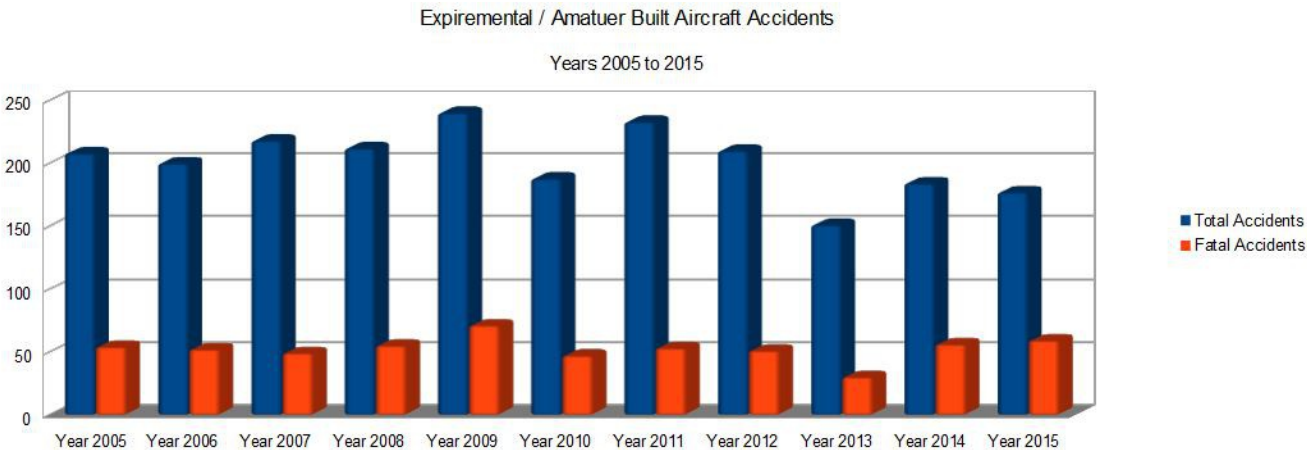
Experimental Aircraft Accident Analysis

The attached data was taken from the E.A.A. Sport Aviation Magazine,
Vol. 66, No 3 – March 2017 edition.

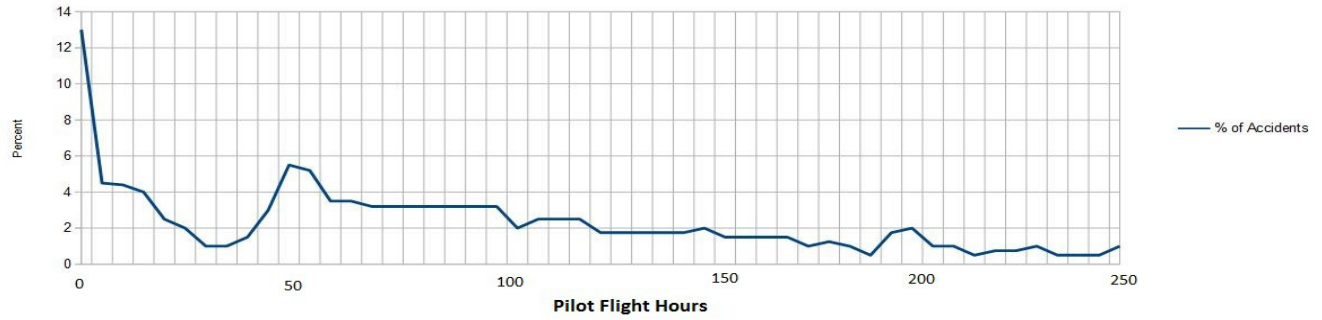
This data represents the leading causes and factors involving experimental aircraft and is intended for use concerning flight safety awareness and accident prevention for pilots of fixed wing ultralight & experimental airplanes.

By: UltralightPilots.org
4/7/2017

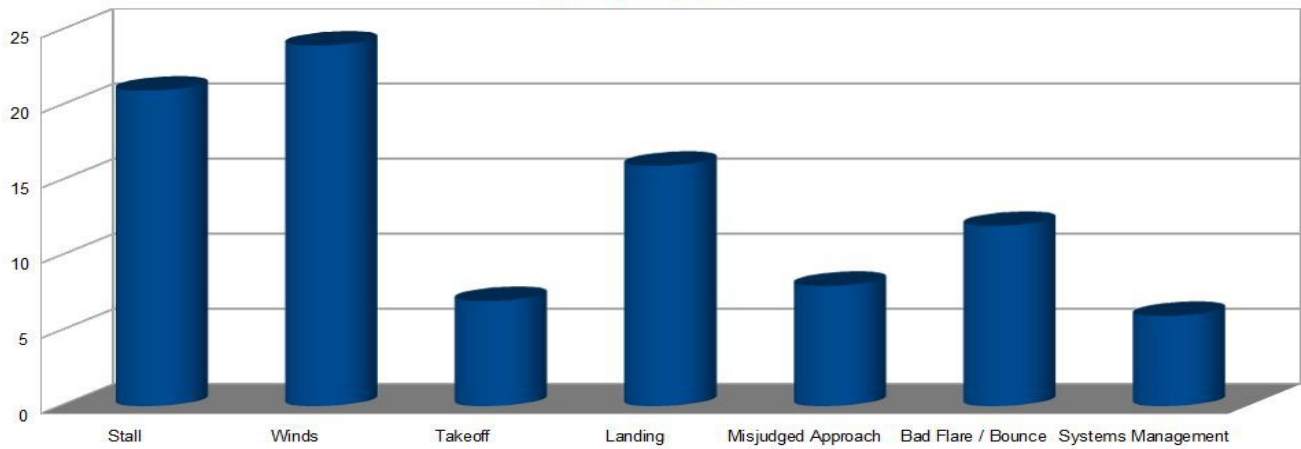
Experimental Aircraft Accident Analysis Report:



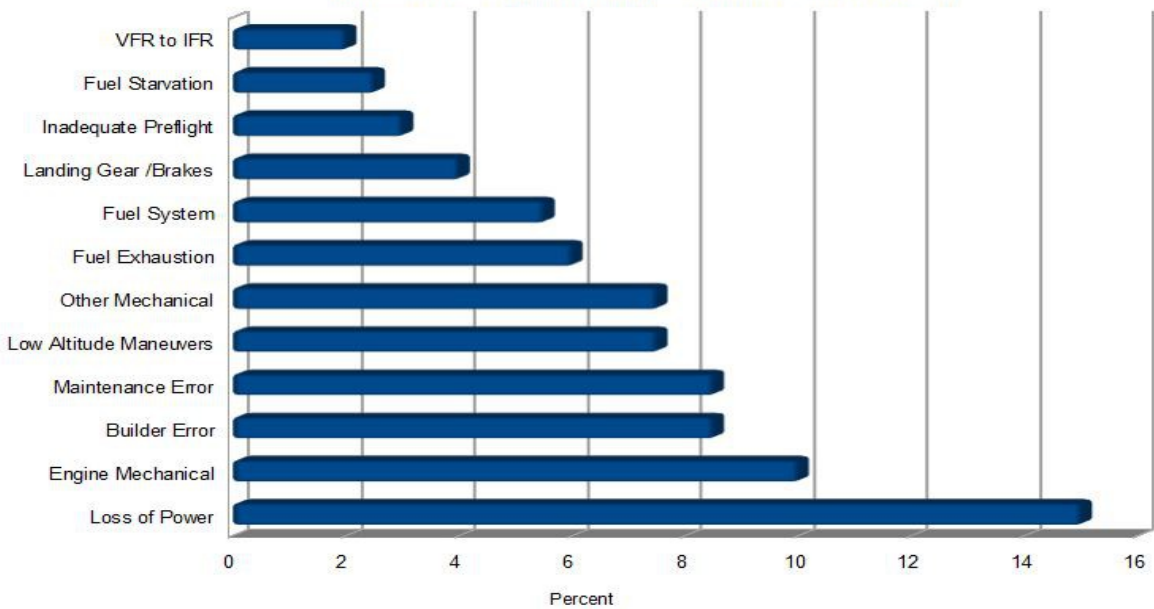
% of Accidents per Pilots Flight Hour Experience



% of Major Causes of Experimental / Amateur Built Aircraft Accidents:
PILOT MISCONTROL



Other Factors Relating to Experimental Aircraft Accidents



Conclusion:

It should be noted that 25% of experimental accidents result in the fatality of the pilot.

The first ten hours after soloing is critical. Probabilities of an accidents will drop significantly from 12% to 4.5% after the first ten hours of flight time. The accident rate increases after 50 hours flight time to 100 hours, then drops afterwards.

Pilot miscontrol & misjudgment is the major factor, 54 % of experimental aircraft accidents. Of the pilot miscontrol accidents, the two main factors are primarily caused by stalls – 21% & wind conditions – 22% . Undetermined loss of power is another significant factor of accidents.

Engine mechanical, fuel systems, and other mechanical failures cause approximately 26 % of accidents.