

CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
Aircraft Accident Investigation and Inquiry Board
Aircraft Accident Report

BASIC INFORMATION

Aircraft Registration No. : RP-R2508

Aircraft Type/Model : Grumman Ag-Cat 164A

Owner/Operator : Airwolf Aviation Corp.

Address of Operator : Cor. Maryknoll Drive J.P. laurel Ave.
Lanang, Davao City

Place of Accident : Dapco Panabo City. Davao Del Norte

Date/Time of Accident : July 31, 2011/ 0625H

Type of Operation : Crop Dusting (Aerial Application)

Phase of Operation : Cruising

Type of Accident : Loss of engine power

EXECUTIVE SUMMARY

On July 31, 2011, approximately 6:25 a.m., a Grumman G-164A, agricultural bi-plane with registry number RP-C2505 was en-route to Dapco Aerodrome after its 2nd aerial spray operation of the day. At 500 feet altitude and approximately one kilometer inbound the pilot experienced loss of engine power. He initiated procedures to revive the engine but the engine failed to restart. The pilot decided to force-land the aircraft in a banana plantation. Before the impact, the aircraft collided with several banana trees resulting in extensive damage. The sole occupant was able to evacuate the aircraft uninjured. Visual meteorological conditions prevailed at the time of the accident.

PROBABLE CAUSE

The Aircraft Accident Investigation and Inquiry Board determined that the probable cause of the accident was the water injected to the fuel line and to the engine that caused the engine to stop operating. Contributory factor was the operator's lack of procedures for refuelling aircraft and eliminating fuel contamination.

SAFETY RECOMMENDATIONS

As a result of this investigation, the Aircraft Accident Investigation and Inquiry Board made the following safety recommendations:

- For the operator to develop procedures acceptable to the authority on storage, handling and dispensing of aviation gasoline.
- For the operator to train and retrain periodically its personnel involved in storage, handling and dispensing of aviation gasoline.