

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

**BASIC INFORMATION**

Aircraft Registration No. : RP-R8855

Make and Model : Gulfstream American/Allied AgCat Production G-164B

Owner/Operator : DANA Farms Aviation Inc.

Address of Operator : Tabil Bldg. Jose Abad Santos St. Tagum City, Davao Del Norte

Date/Time of Accident : May 18, 2018/0630H

Place of Accident : Marsman Airstrip (MEPI), Bgy. Tibal-og, Sto. Tomas, Davao Del Norte, Philippines

Type of Operation : Aerial spraying

Phase of Operation : Landing

Type of Occurrence : Runway excursion due to loss of brakes

**EXECUTIVE SUMMARY**

On 18 May 2018 at 0630H local time, an Ag-cat G164B type of aircraft with Registry Number RP-R8855 sustained substantial damage during landing roll following a runway excursion at the right side of MEPI airstrip. The aircraft is owned and operated by DANA Farms Aviation, Inc holder of Agricultural Aircraft Certificate (AAC) authorized to perform aerial work agricultural operations. The pilot who was the sole occupant did not sustain any injuries. Visual Meteorological Conditions (VMC) prevailed at the time of the accident.

Upon landing at runway 17, and when the tail wheel settled on the ground, the pilot applied brakes to slow down the aircraft. However, there was no brake pressure on the left main wheel causing the aircraft to slowly swerve to the right side of the runway. The aircraft continued to roll for approximately 63 meters and collided with a concrete building. The aircraft came to a complete stop at Grid Coordinates 07°30.533 N 125°38.533 E heading 189 degrees.

**PROBABLE CAUSE**

- a. The failure of the maintenance personnel to perform thorough inspection on the hydraulic tubes to identify the sources of the leakage causing failure of the hydraulic system.

**SAFETY RECOMMENDATIONS**

- **FSIS-CAAP** to ensure that:
  - a. All operator of AgCat aircraft to incorporate in their maintenance annual inspection the inclusion in their checklist the inspection of the tube assemblies that are part of the brake hydraulic system.

- b.** Mandatory adherence of all AgCat aircraft maintenance personnel to the provisions of inspection stipulated in AgCat Maintenance Manual para 9-3f page 9-1.