

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

BASIC INFORMATION

Aircraft Registration No. : RP-C2586

Aircraft Type/Model : Cessna 152

Operator : A.P.G. International Aviation Academy, Inc.

Address of Operator : Subic Bay International Airport, SBMA, Subic, Zambales

Place of Accident : South East Apron, Subic Bay International Airport, SBMA, Zambales, Philippines

Date/Time of Incident : November 26, 2017/1004H (Local)

Type of Operation : General Aviation (Aviation School)

Phase of Flight : Start-up to taxi

Type of Accident : Engine Fire

EXECUTIVE SUMMARY

On November 26, 2017 at about 1004H, a CESSNA 152 aircraft with registry number RP-C2586 sustained substantial damage following an engine ground fire at the South East apron of Subic Bay International Airport (SBIA). The aircraft is operated by A.P.G. International Aviation Academy, Inc, an Approved Training Organization Certification (ATOC) holder authorized to conduct pilot training. The pilot who was the sole occupant was able to vacate the aircraft before it was consumed by fire.

After completing the pre-flight inspection at APG ramp, the pilot made an engine start-up and taxied the aircraft and parked at the South East apron of SBIA to have the Flight Plan (local training flight) stamped by the Aviation Security Unit (ASU), Philippine National Police (PNP).

After the Pilot had secured clearance from ASU, the pilot boarded the aircraft. During engine start-up, a fire ensued at the intake portion of engine. The fire consumed the engine compartment, cockpit and portion of the wings before it was extinguished.

The SBMA Crash Fire and Rescue Unit arrived at the scene of the accident and performed fire extinguishing activity.

PROBABLE CAUSE

The Aircraft Accident Investigation and Inquiry Board determined that the probable cause of this accident was:

- **Primary Cause Factor**

The Pilot's failure to apply engine ground fire procedures during start-up.

- **Contributory Factor**

No ground personnel/fire marshal with fire extinguisher present during engine start-up.

SAFETY RECOMMENDATION

- **Actions taken by the Operator**

Following the occurrence, APGIAA initiated the following safety actions:

- a. The Student Pilot was subjected for re-training on the procedures during engine start and engine ground fire.
- b. Procedures are now incorporated in the APGIAA Training Manual requiring Students to be accompanied by Flight Instructors when securing PNP Clearance and the presence of ground personnel/fire marshal during engine start-up at the South East apron has been mandatory. (Appendix B)

The safety deficiencies presented in this report have been fully addressed and no further safety actions are recommended.