

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

**BASIC INFORMATION**

Aircraft Registration No.	:	RP-R2546
Aircraft Type/Model	:	Bell Helicopter 206B
Owner/Operator	:	Vibrant Helicopter Agricultural Spray Corp.
Address of Operator	:	General Aviation Area, Old Airport, Sasa, Davao City
Date/Time of Incident	:	March 12, 2017
Type of Operation	:	Agricultural Spraying
Phase of Operation	:	Take-Off
Type of Occurrence	:	Loss of tail rotor effectiveness
Place of Incident	:	Lapanday Food Corp. Airstrip, Tampakan, South Cotabato

**BRIEF DESCRIPTION OF THE EVENT:**

On March 12, 2017 at about 0500H, a Bell 206-B3 type of aircraft with registry number RP-R2546, owned and operated by Vibrant Helicopter Agricultural Spray Corporation, took-off from Lapanday Airstrip, Tampakan, South Cotabato bound for Lambayung, Sultan Kudarat for a scheduled aerial spraying. Onboard the aircraft was a Pilot and 4 passengers. Around 11:30AM, the pilot completed the Aerial Swatting that lasted for about five (5) ½ Hours returned to Tampakan prior for departure back to Davao City. At around 2:00 pm, the PIC together with four (4) passengers boarded the aircraft to fly back to Davao City. The Pilot started the engine, performed hover power check and a rearward hovering flight to preposition the aircraft using runway 32 of Tampakan airstrip. From hover position, the Pilot moves forward the aircraft for take-off. As the aircraft accelerates, it encountered a sudden yaw to the right and entered into a 360-degree turn to the left. The Pilot lost directional control of the aircraft resulting for one of the main rotor blades to hit the ground and was broken. The other main rotor blades caused structural failure to the rotor shaft due to mast bumping. The aircraft came to a complete stop with a heading of 62 degrees and a coordinate of 6° 24' 44" N, 124° 56' 2" E. The Pilot and passengers egress from the aircraft unhurt but the aircraft sustained substantial damage.