

ACCIDENT

Aircraft Type and Registration:	Jabiru UL-450, G-CCAE	
No & type of Engines:	1 Jabiru 2200A piston engine	
Year of Manufacture:	2003	
Date & Time (UTC):	13 July 2006 at 1715 hrs	
Location:	Croft Farm, Defford, Worcestershire	
Type of Flight:	Private	
Persons on Board:	Crew - 2	Passengers - None
Injuries:	Crew - None	Passengers - N/A
Nature of Damage:	Propeller damaged, nosewheel suspension bent	
Commander's Licence:	Private Pilot's Licence	
Commander's Age:	52 years	
Commander's Flying Experience:	358 hours (of which 26 were on type) Last 90 days - 8 hours Last 28 days - 5 hours	
Information Source:	Aircraft Accident Report Form submitted by the pilot	

Synopsis

During an extended ground roll and whilst under heavy braking, the nosewheel entered a depression in the runway. The combination of loads on the nose landing gear distorted the suspension strut, allowing the propeller to hit the ground.

History of the flight

The pilot reported that aircraft had landed normally and was completing an extended ground roll into an area of runway not normally used. Whilst under heavy braking, the nosewheel entered a depression in the runway, causing the aircraft to nod forward and the propeller to strike

the ground. The combination of loads was sufficient to distort the spring suspension strut at the rear of the nose landing gear leg and its attachment bracket to the leg. The nose landing gear of the Jabiru consists of a trailing fork, which supports the wheel, attached to a fixed leg. Suspension is provided by a spring strut located between the fork and a bracket welded to the rear face of the fixed leg. The combination of the distortion to the spring strut and bracket, which allowed the nosewheel to rise further than normal, the dip in the ground and tyre deflection, resulted in the loss of propeller tip clearance with the ground.