



Ref: 7384

SOUTH AFRICAN CIVIL AVIATION AUTHORITY**ACCIDENT REPORT – EXECUTIVE SUMMARY**

Aircraft Registration	ZS-KHR	Date of Accident	31-07-2001	Time of Accident	0800Z
Type of Aircraft	PA36-375	Type of Operation	Training Flight		
Pilot-in-command Licence Type	Commercial	Age	20 years	Licence Valid	Yes
Pilot-in-command Flying Experience	Total Flying Hours	330.6 Hrs	Hours on Type	80.00 Hrs	
Last point of departure	Koringberg Aerodrome				
Next point of intended landing	Koringberg Aerodrome				
Location of the accident site with reference to easily defined geographical points (GPS readings if possible)					
Koringberg					
Meteorological Information	The weather conditions were fine, the temperature +30°C and the surface wind 30kph.				
Number of people on board	1	No. of people injured	Nil	No. of people killed	Nil
Synopsis	<p>The pilot reported that after take-off from Koringberg aerodrome to practice crop spraying in the practice area, he experienced gusting wind conditions in the hilly terrain followed by severe wind shear.</p> <p>The pilot then executed a precautionary landing on an open field covered with grass, but upon landing the aircraft sustained a propeller strike and the tail wheel assembly spring fractured.</p> <p>The pilot could not dump the load of 400kg of grain type fertiliser quickly enough and also due to the proximity to the ground.</p> <p>The pilot was not injured.</p> <p>The total airframe hours at the time of the accident was 7419.00 hours. The last MPI (Mandatory Periodic Inspection) was carried out on 26 July 2001 at a total of 7390 airframe hours. The aircraft had thus flown 29.00 hours since the last MPI.</p>				
Probable Cause					
The pilot experienced a down-draught, which is common to mountainous areas and during gusty wind conditions and landed heavily when he attempted to carry out a precautionary landing.					