



Ref: 0364

**SOUTH AFRICAN CIVIL AVIATION AUTHORITY
EXECUTIVE SUMMARY - AIRCRAFT INCIDENT REPORT**

Aircraft Registration	ZS-MKZ	Date of Incident	03 December 2004	Time of Incident	0845Z
Type of Aircraft	Piper PA-28-160		Type of Operation	Training	
Pilot-in-command Licence Type	Commercial	Age	21	Licence Valid	Yes
Pilot-in-command Flying Experience	Total Flying Hours	448.50		Hours on Type	433.05
Last point of departure	Brakpan Aerodrome (FABB)				
Next point of intended landing	Brakpan Aerodrome (FABB)				
Location of the incident site with reference to easily defined geographical points (GPS readings if possible)					
Runway 36 Brakpan Aerodrome at FABB					
Meteorological Information	Wind: 360°/08 knots, Temp. 24°C, Visibility: Good, Cloud Cover: Few, 2000 feet above ground level, Dew point 13°C				
Number of people on board	2 + 0	No. of people injured	0	No. of people killed	0
Synopsis	<p>The instructor and a student were on a training flight at Brakpan Aerodrome when the student made a hard landing, resulting on the right hand main gear breaking off. The instructor applied brakes and the aircraft slowly veered off the runway before it stopped.</p> <p>An eyewitness who witnessed the incident reported that the aircraft's approach was slightly higher and it's landing was hard. He further stated that a strong and gusty wind had prevailed during the occurrence.</p> <p>The aircraft sustained damage to right hand flaps and right hand aileron. Both occupants sustained no injuries.</p> <p>According to the pilot, the weather obtained from Automated Terminal Information Services (ATIS) in the area was fine with unrestricted visibility.</p> <p>The aircraft had a valid Certificate of Airworthiness, which was issued on 22 April 2004 with an expiry date of 25 May 2005. According to available records, the last Mandatory Periodic Inspection (MPI) was carried out and certified on 22 October 2004 at a total of 2544.50 airframe hours and the aircraft had flown for further 98.23 hours since the last MPI.</p>				
Probable Cause					
Following a hard landing by the student, the right hand main landing gear failed.					
Contributing Factor:					
The instructor failed to monitor the student's landing.					
IARC Date		Release Date			