



Ref: 7387

SOUTH AFRICAN CIVIL AVIATION AUTHORITY

ACCIDENT REPORT – EXECUTIVE SUMMARY

Aircraft Registration	ZS-NWK	Date of Accident	9/8/2001	Time of Accident	0719Z
Type of Aircraft	BEECHCRAFT BE20	Type of Operation	PRIVATE/FERRY		
Pilot-in-command Licence Type	Airline Transport	Age	34	Licence Valid	Yes
Pilot-in-command Flying Experience	Total Flying Hours	6618	Hours on Type	651	
Last point of departure	Maun - Botswana				
Next point of intended landing	Lanseria				

Location of the accident site with reference to easily defined geographical points (GPS readings if possible)

Lanseria - Runway 06L

Meteorological Information	Weather was fine				
Number of people on board	1+1	No. of people injured	0	No. of people killed	0

Synopsis

The pilot was ferrying the aircraft from Maun in Botswana after a temporary repair was carried out on both undercarriages following a double undercarriage failure at Luena in Angola (due to bad runway surface).

The Angolan flight clearance and a South African (CAA) Special Flight Permit were issued on 1/8/2001.

During the landing at Lanseria the right hand brace, which had been manufactured for the temporary repair, failed which then led to the collapse of the right hand gear.

The aircraft then veered off the runway to the right.

The brace failed at the welding of the bracket, at the front attachment to the wing main spar, due to insufficient welding penetration.

The failure could have been aggravated by the vibration and forces on the undercarriage due to the flight being carried out with the gear extended.

The maximum gear down speed is 181 KIAS and the flight was done at 160 KIAS.

Probable Cause

The failure of the welding on the brace caused the undercarriage to collapse.