



A00-029-7171

SOUTH AFRICAN CIVIL AVIATION AUTHORITY

ACCIDENT REPORT – EXECUTIVE SUMMARY

Date of Accident	10 March 2000	Time of Accident	1713Z		
Aircraft Registration	ZS-LTL	Type of Aircraft	Cessna 310G		
Pilot-in-command Licence Type	Private		Licence Valid	Yes	
Pilot-in-command Flying Experience	Total Flying Hours	253,6	Total Hours on Type	116,4	
Type of Operation	International				
Last point of departure	Nelspruit Airport				
Next point of intended landing	Chibuto (Mozambique)				
Location of the accident site with reference to easily defined geographical points (plus GPS readings if possible)					
Nelspruit Airport					
Meteorological Information	Fine weather conditions prevailed at the time of the accident.				
Number of people on board	1	No. of people injured	0	No. of people killed	0
Synopsis	<p>The pilot took off Nelspruit Airport for a flight to Chibuto in Mozambique, but deteriorating weather conditions necessitated the pilot to turn back to Nelspruit.</p> <p>Shortly after landing at Nelspruit, the right-hand main gear collapsed. The aircraft sustained substantial damage to the right-hand propeller, the right-hand main landing gear doors and some buckling of the tail plane.</p> <p>According to the pilot the Linkage bushes, on the right-hand main landing gear, was manufactured to short during the MPI, resulting in the joint being compressed when the bolt was tightened.</p>				
Probable Cause					
<p>The linkage bushes on the right-hand main landing gear, was manufactured to short during the final MPI, resulting in the joint being compressed when the bolt was tightened. This resulted in the under carriage being stiff and unable to free fall into position. As a result, the right hand gear extended, but did not lock into the Over-Centre position and eventually collapsed.</p>					