



J10/2/7153

A00-011

# SOUTH AFRICAN CIVIL AVIATION AUTHORITY

## ACCIDENT REPORT – EXECUTIVE SUMMARY

Date of Accident	4/2/2000	Time of Accident	0740Z	
Aircraft Registration	<b>ZS-KXG</b>	Type of Aircraft	<b>Cessna T 188 C</b>	
Pilot-in-command Licence Type	Commercial		Licence Valid	Yes
Pilot-in-command Flying Experience	Total Flying Hours	9 025.73	Total Hours on Type	7 783.90
Type of Operation	Commercial			
Last point of departure	Farm Langverwagt			
Next point of intended landing	Farm Langverwagt			

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

Farm Langverwagt near Bethal

Meteorological Information	Fine				
Number of people on board	One	No. of people injured	None	No. of people killed	None
Synopsis					

After touch down the pilot heard a loud noise from the left front section of the aircraft. The noise was caused by the failure of the left main landing gear support strut.

With a headwind of approximately 12 km/h the pilot was able to maintain direction control as well as continuing to roll on the right main wheel. The aircraft, however, departed the runway to the right after a distance of approximately 40-50 metres. As the aircraft departed the asphalt runway it encountered an embankment of approximately 0.5m in height. Shortly thereafter the aircraft ground looped.

Due to the failure of the left main landing gear strut the left wing struck the ground when the aircraft ground looped. The tail wheel also failed during the sequence damaging the empennage and horizontal stabiliser.

The left main wheel assembly was located approximately 38 metres in front of the aircraft after it came to a halt. The pilot was not injured in the accident.

**Probable Cause**

According to the maintenance facility that recovered the aircraft the strut failure could be attributed to an overload failure when the aircraft ground looped after touch down.