



SOUTH AFRICAN CIVIL AVIATION AUTHORITY ACCIDENT REPORT – EXECUTIVE SUMMARY

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Aircraft Registration	ZS-KXG		Date of Accident	11/2/2003		Time of Accident		0845Z	
Type of Aircraft	CESSNA T188C		;	Type of Operation		ion	Agricultural Spraying		ng
Pilot-in-command License Type			Commercial	Age	57	License Valid		Yes	
Pilot-in-command Flying Experience			Total Flying Hours	10	236.9	Hours on Type		9 709.9	
Last point of departure Fa		Farm Goedehoop in the Bethal District							
Next point of intended landing Fa		Farm Goedehoop in the Bethal District							
Location of the accident site with reference to easily defined geographical points (GPS readings if possible)									
Farm Goedehoop in the Bethal District									
Meteorological Information Fine			e						
Number of people on	board 1		No. of people in	jured	0 N		o. of people kille		0
Synopsis			•	•		•			

The pilot was engaged in a crop spraying detail from approximately 0630Z the morning. During an attempt to become airborne after uplifting his 5th load for the morning. On reaching the point where the tail should have come up, the aircraft did not respond accordingly.

Looking at his instruments, he noted a reduced manifold pressure of 32 inches, 7 inches below the normal manifold pressure setting. He then realized that he would not be able to become airborne on the remaining runway available. He elected to dump the load and still could not clear the fence, which resulted in the right-hand wing colliding with a railway post, which was used as a fence post. On impact with the fence the propeller attachments failed and the propeller departed the aircraft.

The aircraft came to rest in an open field approximately 100m past the fence, causing substantial damage to the landing gear and fuselage.

Probable Cause

The reduction in engine power shortly after take-off could be attributed to an unserviceable mechanical fuel pump, which was found to have been leaking fuel between the aneroid and impeller chambers, caused by a faulty seal, rendering an inconsistent fuel supply to the engine. The aircraft was unable to gain altitude and a forced landing followed.