



Ref: 7410

SOUTH AFRICAN CIVIL AVIATION AUTHORITY**ACCIDENT REPORT – EXECUTIVE SUMMARY**

Aircraft Registration	ZS-RIA	Date of Accident	29/09/2001	Time of Accident	0700Z
Type of Aircraft	ROBINSON R22 BETA		Type of Operation	Game Count	
Pilot-in-command License Type	Private	Age	45	License Valid	Yes
Pilot-in-command Flying Experience	Total Flying Hours	3184	Hours on Type	2503	
Last point of departure	Brits				
Next point of intended landing	Farm Approximately 20 km East of Hammanskraal				
Location of the accident site with reference to easily defined geographical points (GPS readings if possible)					
In open bush on farm road					
Meteorological Information	The weather was fine				
Number of people on board	1+1	No. of people injured	1+1	No. of people killed	None
Synopsis	<p>The pilot departed from his smallholding at Brits at 0350Z for 25 minute flight to a farm approximately 20 Km East of Hammanskraal for a game count detail. According to the pilot he refuelled the helicopter to capacity prior to departure from Brits. He also took one 25 litre and three five litre containers of avgas with him. On his arrival at the farm the fuel was off loaded and he drained 33 litres of avgas from the helicopter into containers supplied by his client.</p> <p>With his client as passenger they took off at approximately 0430Z and after completion of approximately 60% of the game count he returned to refuel the helicopter. The count was resumed after fifteen litres of fuel was uplifted. Shortly afterwards during a turn the engine started to run rough and he realised that there was a problem. An unsuccessful forced landing was attempted and on impact the pilot and the passenger lost consciousness.</p>				
Probable Cause					
Although fuel starvation seems to have been the most probable cause of the accident, this could not be conclusively determined due to the different variations of the information and test results available. Therefore the cause of the accident is undetermined.					