

SOUTH AFRICAN CIVIL AVIATION AUTHORITY

Ref: 7730

ACCIDENT REPORT – EXECUTIVE SUMMARY

Aircraft Registration	ZS-JEZ	Dat	e of Accident	20 Nove	ember 2003	Time of Accident 16		1615Z	
Type of Aircraft	GRUMMA	N G-16	4A Type of Operation		Operation	Agricultural		-	
Pilot-in-command Licence Type			Commercial	Age	22	Licence Valid	id Yes		
Pilot-in-command Flying Experier			Total Flying Hours 2155.6 Hours on Ty		Hours on Type	615.3			
Last point of departure		Hoopstad Aerodrome							
Next point of intended landing		Hoopstad Aerodrome							
Location of the accide	ent site with	n refe	rence to easily d	efined geo	ographical p	ooints (GPS reading	ıs if po	ssible)	
On a farm approximately	y 5nm from I	Hoops	stad						
Meteorological Information CAVOK weather conditions. Wind speed and Temperature unknown									
Number of people on board		1	No. of people injured		Nil	No. of people killed Nil		Nil	
Synopsis									
The commercial pilot w that morning but had t At approximately 1700 coming back for the se an electric short-circu surge. He then applied a nearby road. The e He then leveled the a were trees in front of hi landing the aircraft's n	o stop due Z, he contir econd load it and soor d full power ngine, how ircraft and im. He stall	to stinued to Here and f ever, attem	rong winds. to spray and had was halfway with e after as he app ine pitch before of failed at a height npted to land on the e aircraft over the	successfu the secon proached t climbing ge of approx the same f trees and	lly complete d load wher he end of t ently and att imately 50f field that he landed on	ed spraying the fir he smelt someth he field, the engi cempted to land in t AGL. had been spray the ground behin	rst loa ning s ine st nmed ring b d. Du	ad before imilar to arted to liately or ut there uring the	

The pilot sustained no injuries but the aircraft was extensively damaged.

The operator had a valid Aircraft Operating Certificate (Part 135) number G743D which was issued on 30 June 2003 with an expiry date of 17 April 2004. The last MPI was certified on 14 November 2003 at 7044.0 flying hours. The aircraft had accumulated a further 10.6 flying hours since the last MPI.

Probable Cause

The brass bearing of the impeller of the super charger failed which caused impeller blades to break with a resultant loss of power/engine failure resulting in a forced landing.