

**Aviation Safety Investigation Report
198602318**

Cessna A185 E

02 March 1986

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NOTE: All air safety occurrences reported to the ATSB are categorised and recorded. For a detailed explanation on Category definitions please refer to the ATSB website at www.atsb.gov.au.

Occurrence Number: 198602318
Location: Warkworth NSW
Date: 02 March 1986
Highest Injury Level: Nil
Injuries:

Occurrence Type: Accident

Time: 1130

	Fatal	Serious	Minor	None
Crew	0	0	1	1
Ground	0	0	0	-
Passenger	0	0	0	0
Total	0	0	0	1

Aircraft Details: Cessna A185 E
Registration: VH-RKZ
Serial Number:
Operation Type: Miscellaneous - Glider
Towing
Damage Level: Substantial
Departure Point: Warkworth NSW
Departure Time: 1125
Destination: Warkworth NSW

Approved for Release: March 26th 1986

Circumstances:

During the daily inspection prior to a series of glider towing operations, the pilot noticed that the brake linings were worn. During the landing roll following the third of these operations, the right brake failed and the aircraft ground looped before coming to rest. The brake had failed following the loss of hydraulic fluid from the seal for the brake caliper piston. This was caused by excessive piston travel, associated with severely worn brake linings. When the assembly was dismantled, it was found that the linings had worn completely off the backing plate, and those on the pressure plate were only 1.1 millimetres in depth. Both brake discs were pitted from the effects of corrosion, which would have caused the excessive wear in the linings.