

**Aviation Safety Investigation Report**  
**198702409**

**Cessna A188B-A1**

**11 June 1987**

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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](http://www.atsb.gov.au).**

**Occurrence Number:** 198702409                      **Occurrence Type:** Accident  
**Location:** "Ugumijil" (28 km SW Dubbo) NSW  
**Date:** 11 June 1987                      **Time:** 0930 approx  
**Highest Injury Level:** Nil  
**Injuries:**

	Fatal	Serious	Minor	None
Crew	0	0	1	1
Ground	0	0	0	-
Passenger	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>

**Aircraft Details:** Cessna A188B-A1  
**Registration:** VH-EUU  
**Serial Number:** N/K  
**Operation Type:** Aerial Work (Agricultural Spreading)  
**Damage Level:** Substantial  
**Departure Point:** "Ugumijil" NSW  
**Departure Time:** N/K  
**Destination:** "Ugumijil" NSW

**Approved for Release:** 18/08/1987

**Circumstances:**

On touchdown following a superphosphate spreading operation, the pilot heard a loud cracking noise from the left side of the aircraft. Shortly afterwards the left mainwheel detached, the aircraft swung sharply and tipped onto its nose, before coming to rest in an upright attitude. The left mainwheel axle was found to have fractured. The left axle had been in service for 7452 flight hours, and was estimated to have been involved in about 70,000 landings. The failure was determined to have initiated from fatigue cracking, which had propagated through about 60 percent of the axle diameter before the axle ultimately failed from overload forces.