

**Aviation Safety Investigation Report
198700758**

Cessna C402-C

21 December 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.

Occurrence Number: 198700758
Location: Ngukurr NT
Date: 21 December 1987
Highest Injury Level: Nil
Injuries:

Occurrence Type: Accident

Time: 843

	Fatal	Serious	Minor	None
Crew	0	0	1	1
Ground	0	0	0	-
Passenger	0	0	0	9
Total	0	0	0	10

Aircraft Details: Cessna C402-C
Registration: VH-TFD
Serial Number: 402C0420
Operation Type: Charter (Aerial Ambulance)
Damage Level: Substantial
Departure Point: Tindal NT
Departure Time: 0743
Destination: Ngukurr NT

Approved for Release: 29 April 1988

Circumstances:

Following a normal touchdown and landing roll, the pilot commenced a left turn to backtrack along the runway to the parking area. During the turn the right main landing gear leg collapsed. An inspection of the gear leg revealed an incorrectly seated O-ring, which had allowed hydraulic pressure to bypass a section of the oleo. This resulted in the internal locking pins becoming unlatched prematurely when the assembly was subjected to side loads during the turn at the end of the runway. Records showed that the O-ring had recently been replaced, and it is likely that the distortion of the ring occurred during the oleo re-assembly process.