

**Aviation Safety Investigation Report
198400022**

Beechcraft 36

13 May 1984

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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: 198400022

Occurrence Type: Accident

Location: 8 Km SW of Beaudesert QLD

Date: 13 May 1984

Time: 1509

Highest Injury Level: Nil

Injuries:

	Fatal	Serious	Minor	None
Crew	0	0	1	1
Ground	0	0	0	-
Passenger	0	0	0	5
Total	0	0	0	6

Aircraft Details: Beechcraft 36

Registration: VH-TYZ

Serial Number:

Operation Type: Passenger Charter

Damage Level: Substantial

Departure Point: Kooralbyn QLD

Departure Time: 1458

Destination: Brisbane QLD

Approved for Release: 4th June 1985

Circumstances:

Soon after settling in the cruise at 2000 feet, the pilot noticed that the fuel flow was lower than expected. He selected rich mixture but the fuel flow began to fluctuate markedly and the MAP reduced. A short time later the engine began to run roughly, accompanied by a rise in oil pressure and a further reduction in MAP. The pilot elected to return to the departure point. Engine power became inadequate for level flight and the pilot selected an emergency landing area. The aircraft came to rest after running through two barbed wire fences. The engine failed due to long term lack of lubrication to several bearings caused by the rotation of two main bearing shells which covered oil supply galleries. The damage to the main bearing assemblies was such that the cause of bearing shell rotation could not be established.