

23-96

THE UNITED REPUBLIC OF TANZANIA
MINISTRY OF WORKS, COMMUNICATION AND TRANSPORT

ACCIDENT INVESTIGATION BRANCH



AIB BULLETIN

No. 23/96

Aircraft type & Registration : Cessna 206 5H-RHS
Date and time : 21 October 1996 at 1127 HRS
Location : 2000FT Over Dar es Salaam
Type of Flight : TEST FLIGHT
Persons on board : 3
Injuries : NIL
Nature of damage : ENGINE DESTROYED WHEN IT SEIZED IN FLIGHT
Commander's Licence : ATPL
Experience : 10000 HRS

ALL TIMES UTC

After a check II inspection the aircraft was undergoing a test flight for C of A renewal. It was carrying one pilot, one observer pilot and an engineer. The pilot said that engine run up and systems were checked before take off and this being normal take off was initiated at 1125 hours. After 2-3 minutes flying time at approximately 2000FT AGL and 5-6 nautical miles south east of the Dar es Salaam International airport the engine had a slight surge and 4-5 seconds later it stopped abruptly with the propeller coming to a complete stop immediately.

The aircraft turned back and managed to reach Dar es Salaam International Airport where it landed safely on runway 32.

Examination of the engine showed that the No.1 conrod had fractured and separated at the big end flange. The separated piece subsequently punctured the crank case at two points. Engine oil was lost and the bearings seized.

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The engine, a Teledyne continental 10-520F serial No. 553471 had accumulated 2734 hours since new and 1057 since overhaul.

The aircraft had not flown for six months due to problems with radios. A check II inspection was carried out before the test flight.