

ACCIDENT

Aircraft Type and Registration:	DA 42 Twin Star, G-CTCF	
No & Type of Engines:	2 Thielert TAE 125-02-99 piston engines	
Year of Manufacture:	2005 (Serial no: 42.045)	
Date & Time (UTC):	2 December 2014 at 1352 hrs	
Location:	Bournemouth Airport, Dorset	
Type of Flight:	Training	
Persons on Board:	Crew - 3	Passengers - None
Injuries:	Crew - None	Passengers - N/A
Nature of Damage:	Damage to right main landing gear, right wing control surfaces, tail skid, propeller and gearbox	
Commander's Licence:	Commercial Pilot's Licence	
Commander's Age:	59 years	
Commander's Flying Experience:	8,160 hours (of which 2,100 were on type) Last 90 days - 69 hours Last 28 days - 23 hours	
Information Source:	Aircraft Accident Report Form submitted by the pilot and a verbal report by the maintenance organisation	

Synopsis

Immediately after landing in crosswind conditions, the aircraft's right main landing gear drag strut failed, causing the right landing gear to collapse. The aircraft was brought to a stop on the grass just beside the runway. None of the occupants was injured.

History of the flight

The aircraft was flying an approach to Runway 08 at Bournemouth Airport as part of an instructional exercise. The weather was fine but with a surface wind from 010° at 17 kt, gusting to 27 kt. The student pilot flew the approach well in the crosswind conditions, but did not fully remove the drift before landing, so the aircraft touched down with a slight crab angle.

Immediately after landing and before the aircraft had fully settled, the instructor felt that the aircraft did not appear to be responding as expected to the student's inputs. The instructor therefore took control and was immediately aware that something was amiss as the aircraft's right wing was dropping. He attempted to correct this by applying full left aileron and right rudder, but was unable to stop the wing contacting the surface. The aircraft came to a stop on the grass immediately to the left side of the runway. The instructor shut the aircraft down and ordered the evacuation. None of the occupants was injured.

An inspection by the aircraft's maintenance organisation revealed that the drag strut on the right main landing gear had failed and detached from the main leg, causing the right landing gear to collapse. The affected components were removed and sent to the aircraft manufacturer for more detailed examination.