



On inspection of the right wheel brake, a broken hydraulic line was found. Evidence of hydraulic fluid on the wing flap indicated that it had leaked when the aircraft was airborne and that the line had failed on take off or during the flight.

The pilot recalled that on take off he had hit a 'bump' and considered that the associated 'jolt' could have resulted in failure of the aluminium alloy brake pipe adjacent to its connector nut. The landing gear door was mounted rigidly to the wheel axle and the pilot suggested that the 'jolt' had flexed the door assembly and loaded the brake pipe causing it to fracture. After repair, it is planned to replace the aluminium pipe with a flexible hose with steel fittings.