

**Aviation Safety Investigation Report
199202532**

**de Havilland Canada
Dash 8**

29 November 1992

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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.

The Bureau did not conduct an on scene investigation of this occurrence. The information presented below was obtained from information supplied to the Bureau.

Occurrence Number: 199202532 **Occurrence Type:** Incident
Location: SYDNEY NSW
State: NSW **Inv Category:** 4
Date: Sunday 29 November 1992
Time: 1657 hours **Time Zone** ESuT
Highest Injury Level: None

Aircraft Manufacturer: de Havilland Canada
Aircraft Model: DHC-8-102
Aircraft Registration: VH-TQR **Serial Number:** 135
Type of Operation: Air Transport Domestic Low Capacity Passenger Scheduled
Damage to Aircraft: Nil
Departure Point:
Departure Time:
Destination:

Approved for Release:

During climb out of Sydney the left engine oil pressure warning illuminated, associated with a falling oil pressure indication. The left engine was shut down. ATC were advised of the problem and the aircraft returned to Sydney where an uneventful single engine approach and landing was carried out.

Investigation revealed the rear bearing oil scavenge line was cracked and the rear turbine blades showed evidence of foreign object damage. Engine strip revealed a low pressure turbine blade had failed from fatigue. There is an improved blade assembly now available which the operator is using to upgrade the fleet.