No: 10/86 Ref: 1b

Aircraft type

and registration: Reims Cessna Aerobat 152 G-OCPC

No & Type of engines: 1 Lycoming 0-235-L2C piston engine

**Year of Manufacture**: 1978

Date and time (UTC): 26 September 1986 at 1010 hrs

**Location**: Lands End Airfield, Cornwall

Type of flight: Training

**Persons on board**: Crew -2 Passengers - None

**Injuries:** Crew — None Passengers — N/A

Nature of damage: Nose landing gear collapsed, propeller and engine damaged

**Commander's Licence**: Private Pilot's Licence with IMC and Instructor Ratings

Commander's Age: 24 years

Commander's Total

Flying Experience: 396 hours (of which 255 were on type)

**Information Source:** Aircraft Accident Report Form submitted by the pilot and

telephone enquiries with an engineering organisation and the

instructor

After an hours circuit training with a student pilot the instructor flew an approach to runway 25 for a full flap landing. The aircraft touched down on the runway in a three point attitude at an approximate speed of 50 knots. Just after touchdown a very loud bang was heard and the nose of the aircraft pitched up sharply. Full engine power was applied to stabilize the aircraft and maintain flying speed while a gentle climb was initiated. At approximately 50 feet agl the engine started to lose power. The instructor initiated a gentle descending turn to the left and made a forced landing on runway 35. During the landing roll, while the brakes were being applied the nose landing gear collapsed backwards causing the propeller and lower nose fairing to contact the ground.

Examination of the aircraft by the local engineering organisation revealed that the nose landing gear leg had failed due to overload and had rotated rearwards causing the upper half of the leg to move forwards and disrupt the carburettor which caused the engine power loss.