

# FINAL REPORT

Investigation into the ground incident  
of aircraft Boeing A75N1,  
at Mladá Boleslav airport  
on 15 Jun 2006

Prague  
August 2006

The present document is the translation of the Czech Investigation Report. Although efforts are made to translate it as accurate as possible, discrepancies may occur. In this case the Czech version is authentic.

## **A) Introduction**

Operator: Private

Aircraft type: Boeing, A-75N1 Stearman  
Registration: N-55097  
Place of Incident: Mladá Boleslav airport (LKMB)  
Date and Time: 15 Jun 2006, at 15:00 hrs (All times in this report are UTC)

## **B) Synopsis**

On 15 June 2006 Czech Republic Air Accident Investigation Institute (AAIL) was notified by the LKMB airport air operation manager of a ground accident involving Boeing A-75N1 Stearman aircraft, registration mark N-55097. In taxiing from the fuel filling station to the hangar, the airplane's right low wing struck against a parking car Skoda Superb, plate number 5SO 5623. Following the notification, the ground incident investigation began.

The cause of the ground incident was investigated by an AAIL commission comprising:

Investigator in charge: Ing Stanislav Suchý  
Members: Ing. Karel Mařík

The Final report was released by:

AIR ACCIDENTS INVESTIGATION INSTITUTE  
Beranových 130  
199 01 PRAHA 99

On the 1 August 2006.

## **C) The Final report includes the following main parts:**

- 1) Factual information
- 2) Analysis
- 3) Conclusions
- 4) Safety recommendation
- 5) Annexes (to copy No.1 stored in AAIL archive)

### **1 Factual information**

#### **1.1 History of the incident**

On 15 May 2006 the pilot of Boeing A-75N1 Stearman, registration mark N-55097, landed at LKMB Aerodrome to take part in a "Dobový letecký den" Air Show. At LKMB Aerodrome the pilot parked the plane on an asphalt area near the fuel filling station. Then the pilot decided to put the plane into the hangar. He got on the plane, started the engine and taxied to the hangar on an asphalt road.

Taxiing to the place where the asphalt road adjoins to the area in front of the hangar, the pilot tried to keep a sufficient distance between his left wing and a Z 43 airplane parking there. The Z 43 stood with its tail plane facing the corner of a grass area neighbouring the apron and the road. The pilot also saw that a few passenger cars were parking at the right apron edge in front of the AFIS control station. He continued taxiing,

looking left to clear Z43, and caught with its right low wing the right front window pillar of the car Skoda Superb, number plate 5SO 5623, which stood nearest to the plane of all the cars parking there. The pilot stopped the engine following the shock.

## 1.2 Injuries to persons

NIL

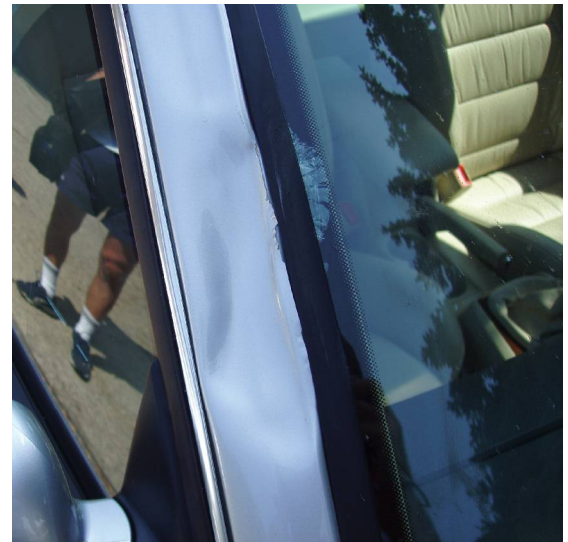
## 1.3 Damage to aircraft

The collision of the right low wing with the car windshield frame caused a dent ca 350 mm long in the wing leading edge and a skin crack at the upper side of the wing airfoil.



## 1.4 Other damage

The Skoda Superb, number plate 5SO 5623 had its right front body pillar dented and the windshield broken.



Damage of the Skoda Superb

## 1.5 Personnel information

The PIC of Boeing A-75N1 Stearman, aged 59, holder of PPL(A), had a SE qualification and valid medical certificate. He has flown total 940 hours, on the A-75N1 350 hours.

### 1.6 Aircraft information

The airplane is a two-seat biplane trainer, type Boeing A-75N1 Stearman, powered by Continental R-670-5 radial engine.

Registration: N-55097  
Serial number: 75-710

### 1.7 Meteorological information

There were no weather aspects relevant to the ground incident.

### 1.8 Aids to navigation

Visual aids and apron markings to enhance traffic safety off the hangar are not used. Remains of a full white line are visible at the place of incident where the asphalt road joins the apron corner.



Apron layout at Mlada Boleslav Airport.

### 1.9 Communications

NIL

### 1.10 Aerodrome information

The aerodrome at the town of Mlada Boleslav is a public domestic airport. Its apron in front of the hangar has dimensions 30 m by 60 m. The asphalt road is 8 m broad. Passenger cars parked on both shorter sides of the apron. The airport rules order no-parking on the apron.

### 1.11 Flight recorders

NIL

### 1.12 Description of incident site

The ground accident took place where the asphalt road adjoins to the apron.

#### **1.13 Medical and pathological information**

The pilot mentioned no details that might have affected his attention. The police tested the pilot for alcohol on spot with negative results.

#### **1.14 Fire**

NIL

#### **1.15 Survival aspects**

NIL

#### **1.16 Tests and research**

NIL

#### **1.17 Organizational and management information**

NIL

#### **1.18 Additional information**

NIL

#### **1.19 Useful or effective investigation techniques**

The serious incident has been investigated in accordance with Annex 13.

## **2 Analysis**

The pilot had enough experience with A-75N1 aircraft to know that his view ahead is restricted when taxiing.

The pilot decided himself to taxi toward the hangar, being aware of passing through an area obstructed by people moving about, standing airplanes and parking passenger cars.

The pilot focused his attention on the left-hand side to keep enough space between the left wing tip of his plane and a Z-43 plane standing there. In doing so he failed to keep enough separation of the right wing tip of his plane from the obstructions. He did not ensure airplane guidance.

Parking the cars at the apron edge in front of AFIS station violated Regulation 3.5 of Mlada Boleslav Aerodrome rules.

## **3 Conclusions**

### **3.1 The commission has come to the following conclusions:**

- The pilot had valid license and rating for the flight;
- In taxiing, the pilot did not take into account well in time there was not enough space for his airplane to enter the apron;
- The aerodrome operator tolerated movement and parking of cars on the apron.

### **3.2 The causes**

The ground incident was caused by the pilot who passed inadvertently by the cars that parked in contradiction with the Aerodrome Rules.

### **4 Safety recommendations**

The Mlada Boleslav Aerodrome operator should install appropriate traffic signs at the apron entry regulating the movements and parking of vehicles, in accordance with the aerodrome rules.

Prague, 24 August 2006