

PRELIMINARY REPORT

ACCIDENT 2021/3056

Państwowa Komisja Badania Wypadków Lotniczych

UL. CHAŁUBIŃSKIEGO 4/6, 00-928 WARSZAWA |
DUTY PHONE (NOTIFICATIONS) +48 500 233 233

ACCIDENT

OCCURENCE No – 2021/3056

AIRCRAFT – Diamond DA-42 airplane, SP-TRL

DATE AND PLACE OF OCCURRENCE – 19 August 2021, EPMO



The Report is a document presenting the position of the State Commission on Aircraft Accidents Investigation concerning circumstances of the air occurrence, its causes and safety recommendations. The Report was drawn up based on information available on the date of its completion.

Use of the Report for purposes other than air accidents and incidents prevention can lead to wrong conclusions and interpretation.

This Report was drawn up in the Polish language. Other language versions may be drawn up for information purposes only.

WARSAW 2021

Table of contents

Table of contents	2
General information	3
FACTUAL INFORMATION	4
1. History of flight	4
2. Injuries to persons.....	4
3. Damage to aircraft	4
4. Flight crew information.....	5
5. Aircraft information.....	5
6. Meteorological information.....	6
7. Place of occurrence information.....	6
8. Wreckage and impact information.....	6
9. PKBWL planned activities	6

General information

Occurrence reference number	2021/3056			
Type of occurrence	ACCIDENT			
Date of occurrence	19 August 2021			
Place of occurrence	EPMO			
Type and model of aircraft	Airplane, Diamond DA-42			
Registration marks	SP-TRL			
Aircraft User/Operator	Goldwings Flight Academy			
Aircraft Commander	ATPL(A)			
Number of victims/injuries	Fatal	Serious	Minor	None
	–	–	–	2
Domestic and international authorities informed about the occurrence	ULC, EASA, SIA Austria			
Investigating Authority	State Commission on Aircraft Accidents Investigation (PKBWL)			
Accredited Representatives and their advisors	NONE			
Document containing results	PRELIMINARY REPORT			
Safety recommendations	None			
Recommendations addressees	N/A			

FACTUAL INFORMATION

1. History of flight

On 19 August 2021 at 16.25¹ hrs the flight crew consisting of an instructor pilot and a student pilot took off from the Warsaw Babice aerodrome (EPBC) to Warsaw Modlin Airport (EPMO) in order to perform training flights as part of flight training for the multi-engine piston land rating MEP(L). The flight was carried out in accordance with the training program approved by the Civil Aviation Authority of the Republic of Poland. The flight crew performed 11 aerodrome traffic circuits uneventfully, then landed on the runway and around two minutes later took off again.

After take-off, during climb, at 500 ft AGL, the instructor simulated engine failure during take-off.

The student-pilot gained airspeed and performed a straight landing on RWY 26. The airplane touched down at a high descent rate, which resulted in substantial damage to the aircraft.

2. Injuries to persons

The flight crew was uninjured.

3. Damage to aircraft

As a result of the accident, the airplane sustained substantial damage (Fig.1). The wheels of the main landing gear were broken off (Fig.2), the nose landing gear and both propellers were damaged (Fig.3).



Fig. 1. The airplane after the accident – general view (source: PKBWL)

As a result of the airplane movement without the landing gear, the lower part of the fuselage and the lower engine fairings were damaged. Probably the engines were also damaged, but it is not possible to determine the level of damage at the current stage of the investigation.

¹ All times in the Report are in LMT (Local Mean Time)



Fig. 2. Separated wheel of the main landing gear (source: PKBWL)



Fig. 3. Damaged propeller of the right engine (source: PKBWL)

4. Flight crew information

Instructor pilot, holder of ATPL with the following ratings: SEP(L), MEP(L), IR, FI, with total flight experience above 4129 h, including: on multi-engine aircraft of MEP(L) class - 231h and on DA-42 - 181h.

Pilot held valid Aero-Medical Certificate – Class I.

After the accident, pilot was tested for alcohol content – with the result 0.00‰.

Student pilot, holder of PPL(A) with the valid rating SEP(L), with total flight experience on aircraft of SEP(L) class around 130 h, on aircraft of MEP(L) class - 2 h 39 min, as PIC around 60h on aircraft of SEP(L) class.

Pilot held valid Aero-Medical Certificate – Class II.

After the accident, the pilot was tested for alcohol content – with the result 0.00‰.

5. Aircraft information

Model	DIAMOND DA-42 TWIN STAR
Serial number	42.201
Year of manufacture	2006
Registration marks	SP-TRL
Owner/ user	Goldwings Flight Academy

6. Meteorological information

The accident occurred in daylight, under VMC conditions.

7. Place of occurrence information

The accident occurred at the Warsaw Modlin Airport (EPMO).

International airport, located 35 km north-west of Warsaw. Types of traffic permitted: IFR/VFR.

8. Wreckage and impact information

On 19 August 2021, the accident site was inspected, photographic documentation of the damaged airplane and the site of the accident were made, the airplane documentation was secured, video recordings from CCTV cameras at the airport and radio correspondence recordings were secured. The flight crew was interviewed.

9. PKBWL planned activities

PKBWL is awaiting for the technical report regarding damages of the airplane and its engines.

THE END

Investigator in Charge