



## **State Commission on Aircraft Accidents Investigation**

**ACCIDENT 2023-0001**

### **RESOLUTION**

**of 22<sup>nd</sup> May 2023**

<b>Type and model of aircraft:</b>	Helicopter, Robinson 22 registered as YOYO
<b>Registration marks:</b>	SP-HEYO
<b>Date of occurrence:</b>	10 <sup>th</sup> January 2023
<b>Place of occurrence:</b>	Leśnia Jania

After analysis evidence available to the State Commission on Aircraft Accidents Investigation (PKBWL) related to the occurrence, it was concluded that:

#### **1. The course of the occurrence was as follows:**

On the day of the occurrence at 13:20 hrs LMT<sup>1</sup> a helicopter pilot (male, aged 51) took off in a helicopter with SP-HEYO registration marks from the Smętowo Graniczne airfield (located about 20 NM north of Grudziądz). The pilot did not file a flight plan and did not maintain communication with FIS Gdańsk.

At 17:45 hrs, the pilot's family notified the Police that the helicopter had not returned to the take-off place and that they were unable to contact the pilot. Rescue services initiated a search operation, and as a result, the wreckage of the helicopter and the pilot's body were found around 20:45 hrs in the vicinity of the Leśnia Jania village.

#### **2. Decision of the Commission**

Acting pursuant to art. 135 item 6 of the Act of 3 July 2002, Aviation Law (as amended) PKBWL decided to refrain from further investigation of the accident as the aircraft was manufactured and operated contrary to the applicable regulations.

#### **3. Additional information**

Since no aircraft records were found in the helicopter wreckage, the PKBWL requested the Polish Civil Aviation Authority (ULC) to provide information on the helicopter with SP-HEYO registration marks.

According to the documentation held by the ULC, the first owner of the helicopter (MANUFAKTURA LOTNICZA Sp. z o. o.) submitted "Information on the airworthiness

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<sup>1</sup> All times in the Report are given in LMT, on the day of the accident LMT=UTC+1h.

assessment of a flying device entered in the register of aircraft or a flying device not entered in this register with the registration marks assigned to the manufacturer or entity evaluating the product or its type design", which includes, among others the following information about the helicopter:

- type, model or name: YOYO SERIE I;
- factory designation: YOYO SERIE I ;
- series and serial number: ML-H-001;
- manufacturer: AERO ELI SERVIZI/MANUFATURA LOTNICZA, and;
- note „*serially manufactured certified Aero Eli Servizi helicopter built/assembled from a factory kit by Manufaktura sp. z o.o.*”.

According to the documentation, the built/assembled helicopter was registered on 14 February 2017 by Aero Club D'Italia under the N. I-C710 registration marks. Later, these marks were changed to SP-HEYO, when the aircraft was entered into the Polish register. Then the helicopter changed owners.

On 30 August 2022, the ULC carried out a planned and announced inspection related to the SP-HEYO helicopter, as part of the continuing oversight.

As a result of the irregularities revealed during the inspection, on 30 August 2022, the President of the ULC issued a decision containing the following provisions:

- 1) *the operation of the SP-HEYO aircraft is prohibited;*
- 2) *the decision is immediately enforceable.*

The decision of the ULC President prohibiting operation of the aircraft remained in force when the accident occurred.

In addition, during the inspection of the accident site, PKBWL revealed a manufacturer's statutory plate (data plate) attached to the wreckage of the helicopter, which contained the data presented in the table below.

Table 1.

BOX	CONTENT	PKBWL COMMENTS
PRODUCER	AERO ELI SERVIZI	The information is inconsistent with both the name of the manufacturer of Yo-Yo helicopters, i.e. "Aero Eli Servizi di Zecca Davide" and the information contained in the records of the SP-HEYO helicopter submitted to the ULC, where the entry states: "AERO ELI SERVIZI"
MODEL	YOYO SERIE I	Inconsistent with the factory designation of helicopters produced by "Aero Eli Servizi di Zecca Davide", i.e. "Yo-Yo".
SERIAL NO.	ML-H-001	-

ENGINE	LYCOMING IO320	Inconsistent with the data plate of the engine found in the wreckage. The wreckage contained an "O-320-B2C" engine
HP:	180	Inconsistent with the data plate of the engine found in the wreckage. The wreckage contained an engine with the declared power of "NORMAL 160 HP".
Certificate issued in accordance with	DZ. U. POZ. 1497	

On 13 July 2021, the owner of Aero Eli Servizi srl, the manufacturer of Yo-Yo helicopters, sent to the ULC a statement, that Manufaktura Lotnicza sp. z o. o. is not authorized by Aero Eli Servizi srl to manufacture, modify or maintain the series of Yo-Yo helicopters. Additionally, he stated, that Aero Eli Servizi srl has never authorized Manufaktura Lotnicza to use Aero Eli Servizi srl trademark for new or modified aircraft.

#### **4. Actions taken by the PKBWL**

Taking into account a number of irregularities revealed during the inspection of the SP-HEYO helicopter by the ULC, and during the investigation of the accident conducted by the PKBWL, and also taking into account the decision of the ULC President of 30 August 2022 prohibiting operation of the SP-HEYO aircraft, the PKBWL has decided to refrain from further investigation of the occurrence.

It is particularly important that this is another occurrence in recent years which investigation has been abandoned by PKBWL due to similar irregularities related to the illegal manufacture, modification or operation of an aircraft built from unserviceable subassemblies of Robinson R22 helicopters.

PKBWL has notified the Police, the prosecutor's office and the President of the ULC about suspected infringement of regulations in force.

**Investigator-in-Charge**

**SCAAI Chairman**

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