

**National Transportation Safety Board**

Office of Aviation Safety

Washington, DC 20594



CEN21LA372

**EXAMINATION SUMMARY**

April 27, 2023

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## **A. ACCIDENT**

Location: Augusta, Kansas  
Date: August 15, 2021  
Time: 1636 central daylight time  
Aircraft: Flying K Enterprises Sky Raider, N56179

## **B. PARTICIPANTS**

Investigator-in-Charge (IIC) Timothy Sorensen  
Aviation Accident Investigator  
National Transportation Safety Board  
Denver, Colorado

## **C. ACCIDENT SUMMARY**

On August 15, 2021, about 1636 central daylight time, a Flying K Enterprises Sky Raider airplane, N56179 was substantially damaged when it was involved in an accident near Augusta, Kansas. The pilot sustained serious injuries. The airplane was operated as a Title 14 Code of Federal Regulations Part 91 personal flight.

## **D. DETAILS OF EXAMINATION**

The NTSB did not respond to the accident site. A post-recovery engine examination was completed on April 27, 2023, at Alley Field Airport, Douglass, Kansas. The examination was conducted by the NTSB investigator-in-charge. The owner/pilot was present during the exam.

## **E. EXAMINATION SUMMARY**

### **1.0 Engine Examination**

Rotax 503DCDI (s/n MS170751)

The engine had been removed from the airframe prior to the exam. The engine assembly, reduction gearbox, and propeller flange appeared intact and undamaged. Internal engine, gearbox, and accessory section continuity were confirmed via crankshaft rotation. The engine cooling fan rotated as expected with crankshaft rotation.

The spark plugs, including the electrodes, were intact. The ignition harness appeared undamaged with exception of one spark plug boot which was separated from the harness lead. The ignition modules were secure and intact.

Both carburetors<sup>1</sup> had been removed from the engine prior to the exam. The carburetors appeared intact and undamaged. The carburetor throats were clear, and the throttle slides operated smoothly. The fuel bowls were secure and free of debris or sediment. The floats appeared undamaged. The metering valves were free to move and appeared operational. The air filter was clear and unobstructed.

No anomalies consistent with an inability to produce rated power were observed.

----- *end of summary* -----

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<sup>1</sup> The engine was equipped with dual slide-type carburetors.