

National Transportation Safety Board

Office of Aviation Safety

Washington, DC 20594



CEN23LA165

RECORD OF EXAMINATION

May 26, 2023

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A. ACCIDENT

Location: Kingsford, MI
Date: April 13, 2023
Time: 1200 Central Daylight Time
1700 Coordinated Universal Time
Airplane: Pipistrel Sinus LSA, N413EK

B. RECORD OF EXAMINATION

Investigator-in-Charge Mitchell Gallo
National Transportation Safety Board / Aviation Safety
Denver, CO

C. DETAILS OF THE EXAMINATION

1.0 Engine Examination

The airplane engine was examined at Wentworth Aircraft Inc, on May 17, 2023, and May 18, 2023.

Postaccident examination of the motorglider revealed the left aft side of the engine and bottom engine cowl displayed greater thermal damage than the right side engine and engine cowl. Thermal damage of the bottom engine cowl extended about the full length, as viewed from nose to tail, of its left side and about mid-length of its right side.

The left carburetor, as viewed from the aircraft tail to nose, was present and separated from its induction tube rubber flange due to thermal damage separation. The carburetor induction tube mating clamp was present and unbroken. The carburetor control cables were attached and secure. The carburetor bowl cover was not present, and the carburetor bowl retention clip was intact, unbroken, and secured to the carburetor body. The carburetor bowl cover was not found. The carburetor bowl displayed soot and the metal components within the bowl did not display melting.

The right carburetor, as viewed from the aircraft tail to nose, was present, attached, and secured, to its induction tube rubber flange. The carburetor control cables were attached and secure. The carburetor bowl cover was attached to the carburetor bowl, and the carburetor bowl retention clip was not positioned in its secure position onto the bowl. The retention clip was intact, unbroken, and secured to the carburetor body.

The left and right carburetors did not have carburetor drip trays.

Submitted by:

Mitchell Gallo
Senior Aerospace Engineer