

National Transportation Safety Board

Office of Aviation Safety

Washington, DC 20594



ERA24LA159

WRECKAGE EXAMINATION SUMMARY

March 30, 2024

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A. ACCIDENT

Location: Clermont, FL
Date: March 30, 2024
Time: 0854 EST
1254 UTC
Airplane: DTA Voyageur

B. WRECKAGE EXAMINATION SUMMARY

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C. SUMMARY

On March 30, 2024, about 1240 eastern daylight time, an experimental, weight-shift-control DTA Voyageur 11, N20330, was substantially damaged when it was involved in an accident near Clermont, Florida. The pilot was seriously injured, and the passenger was not injured. The aircraft was operated as a Title 14 Code of Federal Regulations Part 91 personal flight.

According to the pilot, while in cruise flight at 700 feet above ground level, he noticed the oil pressure light illuminate and then the engine lost all power. He performed a forced landing a field and landed hard, fracturing the upper wing. First responders stated they put a bucket under the oil tank and about 2 qts. of oil was recovered from the external tank.

D. DETAILS OF THE INVESTIGATION

1.0 Accident Site

N/A, not observed.

2.0 Airframe Examination

The airplane was first observed at the pilot's residence. The upper wing was removed and laying beside the aircraft. The left main landing gear strut was fractured from impact forces. The nose landing gear was separated and laying beside the aircraft. The engine and propeller were still attached to the airframe. one propeller blade was cracked, otherwise it was clean and normal looking from the outside.



Engine Examination

The chip detector was removed, and no metallic particles were observed. The bottom spark plugs were removed, they were clean and clear. The propeller was rotated by hand. The propeller would only rotate about 90° then come to a sudden stop. A lighted boroscope was used on all cylinders. The piston tops, valves and cylinders all appeared normal. When the propeller was rotated. Pistons 1-2-3 moved. Piston No 4 did not move. The rocker covers were removed. No oil was present in any of the rocker covers. The gearbox was removed, no oil was present in the gearbox. The oil pump was removed, it was unremarkable.



Submitted by:

Daniel Boggs
Air Safety Investigator