

NATIONAL TRANSPORTATION SAFETY BOARD

Office of Aviation Safety
Washington, D.C. 20594

June 5, 2023

Engine Monitor

Factual Report
By Heidi Kemner

1. EVENT SUMMARY

Location: Greenville, SC
Date: October 10, 2021
Aircraft: Flight Design GMBH CTLS
Registration: N121YT
NTSB Number: ERA22LA011

2. DETAILS OF INVESTIGATION

On October 10, 2021, about 1210 eastern daylight time, a Flight Design GMBH CTLS, N121YT, was substantially damaged when it was involved in an accident near, Greenville, South Carolina. The pilot received minor injuries. The airplane was operated as a Title 14 Code of Federal Regulations Part 91 personal flight.

According to the pilot, an annual inspection was conducted at Twin Lakes Airport (S17), Graniteville, South Carolina and the accident flight was his first flight in the airplane after the inspection. He conducted a preflight inspection of the airplane with no anomalies noted and departed for Henderson, North Carolina. About 18 miles south of his destination, the engine oil pressure dropped to zero. The pilot turned towards Greenville Downtown Airport (GMU), Greenville, South Carolina, and declared an emergency. The engine continued to run for about 4 or 5 minutes before it seized. The pilot reported to GMU that he would not be able to reach the airport and turned towards an open clearing before deploying the airplane's ballistic parachute about 500 ft above ground level (agl). Shortly after deploying the parachute, the airplane floated into pine trees and was suspended about 50 ft agl about 9 miles north of GMU. The pilot climbed out of the side window and was rescued by local authorities.

The following device was downloaded:

Device Manufacturer/Model: Dynon EMS-D120
Serial Number:002789

2.1. Data Recovery

The device was undamaged and was downloaded normally using the manufacturer's software. Figures 1 and 2 show the front and back of the device.

Figure 1. Photo of undamaged device.



Figure 2. Photo of back of device.



2.2. Data Description

The data extracted included 30,832 logs from September 13, 2021, through the accident flight, which began at 10:52:52 EDT and ending 12:04:24 EDT on October 10, 2021.

2.3. TABULAR DATA

Tabular data are included as Attachment 1. This attachment is provided in electronic comma-delimited (.CSV) format.