

NATIONAL TRANSPORTATION SAFETY BOARD

Vehicle Recorder Division
Washington, D.C. 20594

March 15, 2021

Engine Monitor

**Specialist's Factual Report
by Nick Swann**

1. EVENT

Location: Lady Lake, Florida
Date: October 6, 2020
Aircraft: Velocity Elite RG
Registration: N78BM
Operator: Private
NTSB Number: ERA21LA009

2. DETAILS OF INVESTIGATION

The National Transportation Safety Board (NTSB) Vehicle Recorder Division received the following device:

Device Name: **Grand Rapids Technology EIS 6000**
Device Serial Number: **17839**

2.1. Grand Rapids Technology EIS 6000 Device Description

The GRT EIS 6000 is a panel mounted engine monitor. The device contains a back-lit, sunlight readable display providing the operator graphical and digital displays of various engine parameters. The device also assists the pilots when leaning the engine and allows for various alarms when monitored systems exceed various settings. The device does not contain any internal memory for the recording of engine information, other than retention of total engine time.

2.1.1. Grand Rapids Technology EIS 6000 Data Description

Upon arrival at the Vehicle Recorder Division, an exterior examination revealed the unit had not sustained any damage and the device powered on normally. The screen shown in figure 1 was pertinent to the accident investigation. It showed the last flight time was 25 minutes and the accumulated engine time was 390.7 hours.

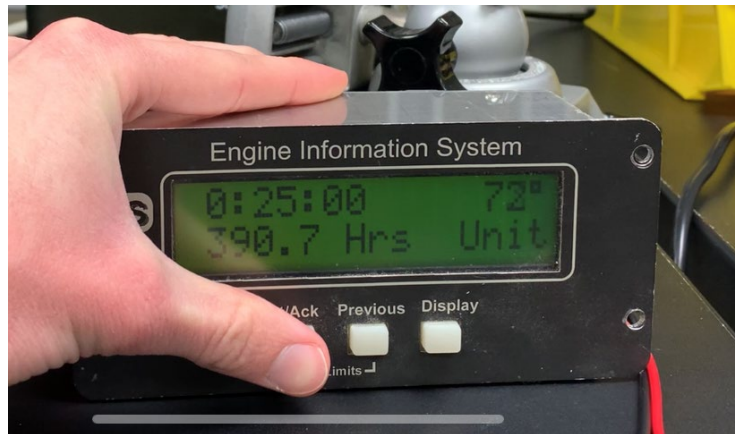


Figure 1. Screen showing a last flight time and accumulated engine time.