

NATIONAL TRANSPORTATION SAFETY BOARD

Vehicle Recorder Division
Washington, D.C. 20594

August 10, 2018

Engine Monitor Device

Specialist's Factual Report
By Ben Hsu

1. EVENT

Location: Mooresville, North Carolina
Date: March 29, 2017
Aircraft/ID: Cessna 182
Registration: N2383C
Operator: Private
NTSB Number: ERA17LA141

2. EVENT SUMMARY

On March 29, 2017, about 1325 eastern daylight time, a privately owned and operated Cessna R182, N2383C, was substantially damaged when it impacted a fence while attempting to depart from Atwell Airport (1NC2), Mooresville, North Carolina. The private pilot and passenger were not injured. The flight was destined for Riley Creek Airport (12TN), Kingston, Tennessee. Visual meteorological conditions prevailed, and no flight plan was filed for the personal flight, which was conducted under the provisions of 14 *Code of Federal Regulations* Part 91.

3. DETAILS OF DEVICE INVESTIGATION

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

Device: Insight G4
Device Serial Number: 40098

Figure 1 shows the condition of the device as it arrived in the laboratory. Figure 2 shows a SD memory card that was installed in the device.

3.1. Device Description

The Insight G4 is an engine data monitor device. It is capable of monitoring engine parameters including, but not limited to, cylinder head temperature (CHT), exhaust gas temperature (EGT), fuel flow information, and acceleration data. Data is stored on a SD memory card installed in the front panel of the device.

3.2. Data Description

The data stored on the device's SD card was reviewed. The last session recorded was dated September 24, 2016. No accident-related data was found on the device.

Figure 1. Photo of the Insight G4



Figure 2. Photo of SD memory card installed in the Insight G4

