

NATIONAL TRANSPORTATION SAFETY BOARD

Vehicle Recorder Division
Washington, D.C. 20594

October 11, 2012

17 – Engine Monitor Factual Report

by **Bill Tuccio**

A. EVENT

Location: Tillatoba, Mississippi
Date: September 2, 2012
Aircraft: Cessna T210M
Registration: N761YN
Operator: Private
NTSB Number: ERA12LA543

B. GROUP - No Group

C. SUMMARY

On September 2, 2012, about 2030 central daylight time, a Cessna T210M, N761YN, operated by a private individual, was substantially damaged during a forced landing into trees, following a total loss of engine power during cruise flight near Tillatoba, Mississippi. The private pilot was seriously injured. The personal flight was conducted under the provisions of 14 Code of Federal Regulations Part 91. Night visual meteorological conditions prevailed and no flight plan was filed for the flight that departed Suffolk Executive Airport (SFQ), Suffolk, Virginia, about 1500; destined for Olive Branch Airport (OLV), Olive Branch, Mississippi.

D. DETAILS OF INVESTIGATION

The NTSB Vehicle Recorder Laboratory received the following device(s):

GPS Manufacturer/Model: Insight GEM-603
Serial Number: 4358

Insight GEM-603 Device Description

The Insight Avionics GEM-603 engine monitor provides the crew with exhaust gas and cylinder head temperatures from each of the engine cylinders. The instrument can display, depending on the installation and engine type, up to 13 engine

temperatures in a bar graph or digital display. Temperatures include exhaust gas temperature (EGT), cylinder head temperature (CHT) and turbine inlet temperature (TIT). The unit also operates in two modes, "Lean Mode" and "Monitor Mode". The unit does not record any historical information.

Insight GEM-603 Recovery

Upon arrival at the Vehicle Recorder Laboratory, an exterior examination revealed the unit had not sustained any damage. Power was applied to the unit and it started normally, as shown in figure 1. As the unit does not record any parameters, no data was recovered.

Figure 1. Photo of GEM-603 with power applied.

