

NATIONAL TRANSPORTATION SAFETY BOARD

Vehicle Recorder Division
Washington, D.C. 20594

October 31, 2017

Fuel Totalizer

Specialist's Factual Report
by Joe Gregor

1. EVENT

Location: Danville, Virginia
Date: March 27, 2016
Aircraft: Piper PA-23-250
Registration: N22AM
Operator: Private
NTSB Number: ERA16LA142

On March 27, 2016, about 1636 eastern daylight time, a Piper PA-23-250, N22AM, was substantially damaged during a forced landing on a highway, 10 miles east of Danville, Virginia. The airplane was operated by a private individual under the provisions of 14 Code of Regulations Part 91 as a personal flight. Instrument meteorological conditions were reported in the region of the accident. No flight plan was filed for the personal flight that originated at the Charleston International Airport (CHS), Charleston, South Carolina, at about 1330, and was destined for Martin State Airport (MTN), Baltimore, Maryland.

2. DETAILS OF INVESTIGATION

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

Device: SDI hoskins CFS 2000A
Device Serial Number: 4288

2.1. SDI hoskins CFS 2000A Device Description

The CFS 2000a fuel totalizer system is a fuel flow monitoring system consists of a panel mounted instrument and two fuel flow transducers designed for installation in twin engine aircraft.

2.1.1. SDI hoskins CFS 2000A Data Recovery

Upon arrival at the Vehicle Recorder Laboratory, an examination revealed the unit had not sustained damage disabling device startup. The CFS 2000a is not designed to export data electronically. Information was extracted photographically by taking pictures of the front panel display as it cycled through the normal startup sequence.

2.1.2. SDI hoskins CFS 2000A Data Description

Data was captured photographically and is illustrated in figures 1 – 9 below.

Figure 1. Photo of startup screen #1.



Figure 2. Photo of startup screen #2.



Figure 3. Photo of startup screen #3.



Figure 4. Photo of startup screen #4.



Figure 5. Photo of startup screen #5.



Figure 6. Photo of startup screen #6.



Figure 7. Photo of startup screen #7.



Figure 8. Photo of startup screen #8.



Figure 9. Photo of startup screen #9.

